Harry B Litherland Limited
50 YEARS OF EXCELLENCE

SAMSUNG
Panasonic
LG
cello
SHARP
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PHILEX
TRIAX
Optoma
TriStar
NEC
APart
TEAC
SigNET
Wharfedale
DENON
TRANTEC
SENNHEISER
Cloud
TASCAM
audio-technica
JBL
TOA
YAMAHA
HBCCTV
HIKVISION
QVIS

Audio Visual | Aerial and Satellite | PA Equipment | CCTV and Security

LG

LG PN450B Series

42" & 50" HD Ready Plasma Televisions

Fundamentals
HD
Plasma
600Hz Max

Design
Razor Frame
Protective Glass

Key Features
Triple XD Engine
2 Ch. Speaker
Virtual Surround
Motion Eye Care
Clear Voice 2.0
Picture Wizard 2.0
DivXHD, HDMI 2 / USB 1

Order Code	Description	Bracket	Trade	Offer
50PN450B*	50" PLASMA TV	● or ●		
42PN450B	42" PLASMA TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

SAMSUNG DVD-E360

Slim DVD Player
DivX / MPEG2/4, USB 2.0

VGAHDMI

Converter, VGA Audio to HDMI

Audio Visual

Sales **01253 607830**
Tech **01253 607859**
Fax **01253 607831**
Web **www.hblitherland.co.uk**
Email **sales@hblitherland.co.uk**

MARCH 2014

The full range of LG Televisions are available from HBL

For models not listed here, please contact **Sales** on **01253 607830**

Don't forget to order...

LG SMART 3D BLU-RAY PLAYERS

LG BP730

3D Blu-ray Disc Player with Magic Remote

LG Smart TV, 3D Blu-ray Magic Remote with Voice Control

Magic Remote Included

LG BP630

Smart 3D Blu-ray Player

Plays 3D Blu-ray & DVD, App store, Smart, Built-in WiFi & Ethernet

Order Code	Trade	Offer
BP730		
BP630		

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8200

Ultra slim universal flat screen wall mount for screens up to 45"

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8220

Ultra slim universal flat screen wall mount for screens to 65"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

B-TECH BT8432

Universal flat screen wall mount **with TILT** for screens up to 65"

LG LA620V LED CINEMA 3D Smart Televisions

3D 1080p Full HD SMART LED TV's with Built-In Wifi and FreeView HD

60", 55", 50", 47" 42" and 32" Models Available

Fundamentals

FHD, LED, MCI 200 • CINEMA 3D

0.9GB Dual Core CPU • 1.25GB DDR

Smart TV

Magic Remote (5mode) Ready

Pointing, Wheel, Gesture, Voice,

Universal Control • SmartShare

Tag On, WiDi, Miracast,

2nd Display, MHL • LG Cloud

Camera Ready • (Skype, Motion Only)

3D World / Game World

Picture & Sound

Triple XD Engine • Resolution Upscaler

2 Ch. Speaker • Virtual Surround Plus

Smart Sound Mode

Slim & Narrow

Narrow Bezel • Ribbon Swivel Stand

Magic Remote NOT included

NEW LOW PRICES!

And all models come complete with

4 FREE PAIRS OF 3D GLASSES!

LG Smart TV | LG CINEMA 3D

Order Code	Description	Bracket	Trade	Offer
60LA620V	60" Smart 3D LED	● or ●		
55LA620V	55" Smart 3D LED	● or ●		
50LA620V	50" Smart 3D LED	● or ●		
47LA620V	47" Smart 3D LED	● or ●		
42LA620V	42" Smart 3D LED	● or ●		
32LA620V	32" Smart 3D LED	● or ●		
ANMR400	Magic Motion Remote Control			

LG LN575V Direct LED Smart Televisions

1080p Full HD SMART LED TV's with Built-In Wifi and FreeView HD

With LG's Smart TV range, you can catch up on your favourite TV shows, navigate with ease using the unique LG Magic Remote (sold separately) and share your media to and from other devices.

It's a truly connected experience

LG LN575V SERIES

50", 47", 42" 39" and 32 Models

LG Smart TV | Freeview HD

Fundamentals

Direct LED • MCI 100

Full HD • Freeview HD

3x USB • 3x HDMI

2.1Ch Speaker

Smart TV

Magic Remote Ready

Wi-Fi Built-in

Skype Camera Ready (not included)

Dual Core Processor

Magic Remote NOT included

Order Code	Description	Bracket	Trade	Offer
50LN575V	50" Smart Wi-Fi LED	● or ●		
47LN575V	47" Smart Wi-Fi LED	● or ●		
42LN575V	42" Smart Wi-Fi LED	● or ●		
39LN575V	39" Smart Wi-Fi LED	● or ●		
32LN575V	32" Smart Wi-Fi LED	● or ●		
ANMR400	Magic Motion Remote Control			

Also available... LG ANMR400

Magic Motion Remote Control with Browser Wheel

LGs Magic Remote is the easiest most intuitive way to control your Smart TV using voice, pointing, gesture and scrolling.

Order Code	Description	Trade	Offer
ANMR400	Magic Motion Remote Control		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**
For models not listed here, please contact **Sales** on **01253 607830**

Don't forget to order...

VGA TO HDMI
CONVERTER
Inputs: VGA socket and 2x Phono sockets
Output: HDMI socket
Supports VGA resolutions upto 1280 x 1024
Supports HDTV resolutions upto 1080P
LED indication on signal detection
Plug and play, easy to install
Dimensions (WxHxD): 89 x 29 x 68 mm
Supplied with power adaptor & user manual

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8200

Ultra slim universal flat screen wall mount for screens up to 45"

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8220

Ultra slim universal flat screen wall mount for screens to to 65"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

B-TECH BT8432

Universal flat screen wall mount **with TILT** for screens up to 65"

LG 60PN650T 60" Full HD Plasma Television

Fundamentals	Key Features
FHD	Triple XD Engine
Plasma	2 Ch. Speaker
600Hz Max	Virtual Surround
	Smart Energy Saving
Design	Motion Eye Care
Razor Frame	DivXHD
Protective Glass	Clear Voice 2.0
	Picture Wizard 2.0
	HDMI 2 / USB 1

Order Code	Description	Bracket	Trade	Offer
60PN650T	60" PLASMA TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

LG LN540 Series 47", 42", 39" and 32" Full HD LED Televisions

Fundamentals	Key Features
FHD, HD (32")	Smart Energy Saving
LED, MCI 100	Motion Eye Care
Picture and Sound	DivX HD, HDMI 2 / USB 1
Triple XD Engine	**Design**
Picture Wizard 2.0	Narrow Bezel
Virtual Surround	Square Stand

Order Code	Description	Bracket	Trade	Offer
47LN540V	47" LED TV	● or ●		
42LN540V	42" LED TV	● or ●		
39LN540V	39" LED TV	● or ●		
32LN540V	32" LED TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

LG PN450B Series 50" and 42" HD Ready Plasma Televisions

Fundamentals	Key Features
HD	Triple XD Engine
Plasma	2 Ch. Speaker
600Hz Max	Virtual Surround
	Motion Eye Care
Design	Clear Voice 2.0
Razor Frame	Picture Wizard 2.0
Protective Glass	DivXHD, HDMI 2 / USB 1

Order Code	Description	Bracket	Trade	Offer
50PN450B	50" PLASMA TV	● or ●		
42PN450B	42" PLASMA TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

LG LN450B Series 29" HD Ready Edge LED Televisions

Fundamentals	Picture and Sound
HD, LED, MCI 100	Triple XD Engine
	Picture Wizard 2.0
Key Features	2 Ch. Speaker
MHL	Infinite Surround
Smart Energy Saving	Clear Voice 2.0
Motion Eye Care	
DivX HD	**Design**
HDMI 1 (29" x2) / USB 1	Narrow Bezel

Order Code	Description	Bracket	Trade	Offer
29LN450B	29" LED TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**
For models not listed here, please contact **Sales** on **01253 607830**

Don't forget to order...

Labgear HDMi
GOLD PLATED HDMI LEADS AND ADAPTORS

High Speed HDMI with Ethernet
Flat High Speed with Ethernet
HDMI Swivel Head Cable

Reduce crosstalk and interference
Supports 1080p, 3D TV and HD TV

Code	Description	Trade	Offer
HDM1.5E	1.5m HDMi		
HDM3E	3m HDMi		
HDM5E	5m HDMi		
HDM10E	10m HDMi		
HDM15E	15m HDMi		
HDM20E	20m HDMi		
HDM1.5FE	1.5m FLAT		
HDM3FE	3m FLAT		
HDM5FE	5m FLAT		
HDM1.5ES	1.5m SWIVEL		
HDM3ES	3m SWIVEL		
HDMDVA	HDMi - DVi		
HDMC	HDMi Coupler		
HDMRA	Right Angle		

Blu-Ray / DVD / Digi-Box Wall Mounts
1 Shelf or 2 Shelf

Black glass and aluminium DVD wall mounts

W 420mm,
D 338mm
H 250mm (1 Shelf),
650mm (2 Shelf),
DVD support
Weight-max 10kg
Cable management

Ideal for Blu-Ray Players, DVD Players and Digi Boxes

Code		Trade	Offer
1SWM	1 Shelf		
2SWM	2 Shelf		

LG BP730
3D-Capable Blu-Ray Disc Player with Smart TV and Magic Remote

Magic Remote Included

LG Smart TV
Magic Remote with Voice Control
Private Sound Mode
3D Blu-ray, 2D to 3D Conversion

Order Code	Trade	Offer
BP730		

LG BP630
Smart 3D Blu-Ray Player

Plays 3D Blu-ray & DVD
App store
Smart: Catch up TV & Movies
Built-in WiFi & Ethernet

Order Code	Trade	Offer
BP630		

LG BP325
3D Blu-Ray Player

3D Blu-ray Disc Playback
Smart TV content
External HDD Playback
USB Playback

Order Code	Trade	Offer
BP325		

LG BP125
Blu-Ray Player, 1080p Upscaling

Space saving compact size
External HDD Playback
Quick-opening tray - No more waiting to watch
HD grade movie file playback

Order Code	Trade	Offer
BP125		

LG DP432H
Slim DVD Player

Colour - Black
DVD/DVD±R/DVD±RW, CD/CR-R/CD-RW, MP3, JPEG
1080p Upscaling
Dimensions (HxWxD) (mm) - 40 x 360 x 207

Order Code	Trade	Offer
DP432H		

Also available... LG ANMR400
Magic Motion Remote Control with Browser Wheel

LGs Magic Remote is the easiest most intuitive way to control your Smart TV using voice, pointing, gesture and scrolling.

Order Code	Description	Trade	Offer
ANMR400	Magic Motion Remote Control		

VGA TO HDMI CONVERTER

Code: VGAHDMI

Input
INPUT
VGA
R/L
Audio In
This converter converts the video and audio signal from a PC or Laptop and up scales it to a digital HDMI signal.
This is a plug and play device, no software needed. Perfect for connecting a laptop with no HDMI out to a HDMI TV or projector.
This VGA to HDMI converter can convert analog VGA video and audio to HDMI signal. It supports the output up-to 1080P resolution. This converter is ideal for a conversion of PC or laptop to 1080p HDMI ported HDTV. This product is a must have for any audio visual company plugging laptops and PC's into multimedia devices as a "get out of jail" box.
This device will also add the sound from the PC or laptop (via the 2x phono adaptors) to the digital HDMI feed thus eliminating the need for a sound injector box as with other inferior products.
The converter will also support a wide range of resolutions from 800 x 600 to 1280 x 1024 thus allowing for full HD pictures to be fed from a PC
Specifications
Inputs: VGA socket and 2x Phono sockets
Output: HDMI socket
Supports VGA resolutions upto 1280 x 1024
Supports HDTV resolutions upto 1080P
LED indication on signal detection
Plug and play, easy to install
Dimensions (WxHxD): 89 x 29 x 68 mm
Supplied with power adaptor and user manual
Laptop/PC
Audio Cable
Phono
VGA to HDMI Converter
HDMI Cable
Television
VGA Cable
Output
OUTPUT
DC IN
DC/5V
HDMI
HDMI Out

The full range of Cello TV's are available from HBL

For models not listed here, please contact **Sales** on **01253 607830**

cello

Don't forget to order...

HDMi

GOLD PLATED HDMI LEADS AND ADAPTORS

High Performance HDMi 1.4 Cables
featuring Gold-Plated Connectors

-Code	Length	Colour	Offer
STA-5010-1M-BLUE	1m	Blue	
STA-5010-3M-BLUE	3m	Blue	
STA-5010-5M-BLUE	5m	Blue	
STA-5010-10M-BLUE	10m	Blue	
STA-5010-1M-RED	1m	Red	
STA-5010-3M-RED	3m	Red	
STA-5010-5M-RED	5m	Red	
STA-5010-10M-RED	10m	Red	
STA-5010-1M-GREEN	1m	Green	
STA-5010-3M-GREEN	3m	Green	
STA-5010-5M-GREEN	5m	Green	
STA-5010-10M-GREEN	10m	Green	

SLX 28030R

Universal flat screen wall mount for screens up to 32"

SLX 28032R

Universal flat screen wall mount **with TILT** for screens up to 32"

SLX 28038R

Ultra slim universal flat screen wall mount for screens up to 42"

SLX 28040R

Slim universal flat screen wall mount **with TILT** for screens up to 42"

SLX 28044R

Universal flat screen wall mount **with TILT** for screens up to 63"

Cello C50223DVB

50" FULL HD LED TELEVISION

Full HD 1080p for greater picture clarity - Made in UK
USB connectivity to view movies, games & photos

HDMI Input: 3 x
MINI YPbPr input : no
VGA Input : 1 x
PC Audio Input : no

SCART: 1 x
RCA Audio (L/R) IN - White/Red: 1 x
AV In: 1 x

Coaxial Output: 1 x
Earphone Output : 1 x
Common Interface: 1 x
USB 2.0 Connector: 1 x

Order Code	Description	Bracket	Trade	Offer
C50223DVB	50" LED TV			

Cello C39226 Series

39" Full HD LED TV - Built In DVD Player Model Available

Full HD 1080p Panel - Mpeg 4 (H.264) Technology - USB port for recording TV onto a USB device or playback of Video / music / photo / - SRS TruSurround HD

HDMI Input: 3 x
MINI YPbPr input : 1 x
VGA Input : 1 x

PC Audio Input : 1 x
SCART: 1 x, AV In: 1 x
Coaxial Output: 1 x

Earphone Output : 1 x
Common Interface: 1 x
USB 2.0 Connector: 1 x

Order Code	Description	Bracket	Trade	Offer
C39226DVB	39" LED TV	or		
C39226F	39" LED TV / DVD	or		

32in SMART LED TV

With built in DVD Player

IPTV (Smart TV)
3 x HDMI
Intergrated high grade DVD Player
USB 2.0 connection

Order Code	Description	Bracket	Trade	Offer
C32228FIPTV	32" LED TV	or		

Cello 32" C32224F

LED TV's with Built In DVD Player

Integrated DVD Player
Freeview and Soarview UK & Irish Digital Channels
SRS TruSurround HD
3 x HDMI connections
USB connectivity to view movies, games and photos
Made in the UK

Order Code	Description	Bracket	Trade	Offer
C32224FB	32" LED TV black	or		
C32224FW	32" LED TV white	or		

Cello C29229 Series

29" HD Ready LED - Built In DVD Player Model Available

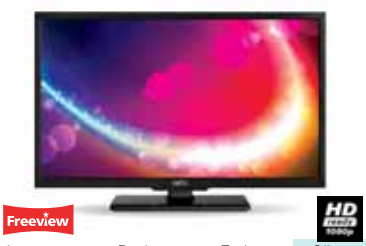
HDMI Input: 3 x
MINI YPbPr input : 1 x
VGA Input : 1 x
PC Audio Input : 1 x
SCART: 1 x
AV In: 1 x
Coaxial Output: 1 x
Earphone Output : 1 x
Common Interface : 1 x
USB 2.0 Connector: 1 x

Order Code	Description	Bracket	Trade	Offer
C29229DVB	29" LED TV	or		
C29229F	29" TV / DVD	or		

Cello C24115 Series

24" Full HD LED TV - Built In DVD Player Model Available

HDMI Input: 1 x
MINI YPbPr input : 1 x
VGA Input : 1 x
PC Audio Input : 1 x
SCART: 1 x
RCA Audio (L/R) IN - White/Red: 1 x
AV In: 1 x
Coaxial Output: 1 x
Earphone Output : 1 x
Common Interface : 1 x
USB 2.0 Connector: 1 x



Order Code	Description	Bracket	Trade	Offer
C24115DVB-LED	24" 1080p LED TV	or		
C24115F	24" 1080p TV/DVD	or		

Cello TRAVELLER

19/22" Full HD 1080p LED TV / DVD

IDEAL FOR TRAVEL USE

HDMI Input x 1
Mini YPbPr Input x 1
VGA Input x 1
PC Audio Input x 1
SCART x 1
RCA Audio (L/R) IN - White/Red x 1
AV In x 1
Coaxial Output x 1
Earphone Output x 1
Common Interface x 1
USB 2.0 Connector x 1

Order Code	Description	Bracket	Trade	Offer
C19103TRAVELLER	19" TV / DVD	or		
C22EFFTRAVELLER	22" TV / DVD	or		

Cello C16117 Series

16" HD Ready LED TV - Built In DVD Player Model Available

RF Antenna x2
HDMI x1
CVBS x1
PC In x1
Audio In PC audio x 1,
CVBS Audio x1
Scart x1
YPbPr x1
Coax x1
Earphone Out x1
USB x1
CI x1

Order Code	Description	Bracket	Trade	Offer
C16117DVB-LED	16" LED TV	or		
C16117F-LED	16" LED TV / DVD	or		

The full range of Samsung TV's are available from HBL

For models not listed here, please contact **Sales** on **01253 607830**

SAMSUNG

Don't forget to order...

Labgear HDMi
GOLD PLATED HDMI LEADS AND ADAPTORS

Code	Description	Trade	Offer
HDM1.5E	1.5m HDMi		
HDM3E	3m HDMi		
HDM5E	5m HDMi		
HDM10E	10m HDMi		
HDM15E	15m HDMi		
HDM20E	20m HDMi		
HDM1.5FE	1.5m FLAT		
HDM3FE	3m FLAT		
HDM5FE	5m FLAT		
HDM1.5ES	1.5m SWIVEL		
HDM3ES	3m SWIVEL		
HDMDVA	HDMi - DVi		
HDMC	HDMi Coupler		
HDMRA	Right Angle		

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8421

Ultra slim universal flat screen wall mount for screens up to 37"

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8220

Ultra slim universal flat screen wall mount for screens to to 65"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

B-TECH BT8432

Universal flat screen wall mount **with TILT** for screens up to 65"

Samsung UEF5500 Series

32" - 46" SMART Full HD Wi-Fi Slim LED TV's

Freeview HD · Samsung SMART TV · HD ready 1080p

The latest technology at an astonishingly affordable price...
Featuring S Recommendation, which suggests what to watch based on your preferences and Samsung's intelligent Smart Hub, which manages and presents your personalised content instantly.

Order Code	Description	Bracket	Trade	Offer
UE46F5500	46" SMART Wi-Fi LED	● or ●		
UE40F5500	40" SMART Wi-Fi LED	● or ●		
UE32F5500	32" SMART Wi-Fi LED	● or ●		

S Recommendation Intelligently suggests what to watch based on what you like

Smart Hub Provides immediate access to your favourite programmes

Catch-up service The only Smart TV's with a full catch-up service

One design "One design" styling - see more of the picture and less of the TV frame

Dual Core Supports multitasking, faster internet connections and drives superior quality

Full HD Samsung's Full HD 1080p TV displays a picture quality that's crisp and clear

Freeview HD Free access to over 50 standard def TV channels and 4 HD channels

Built-in Wi-Fi Built-in Wi-Fi provides hassle free access to all your Smart TV content

On TV panel On TV panel is the gateway to a new and exciting TV experience

Smart View Turns your Samsung compatible smartphone or tablet into a second TV

Screen Mirroring Lets you wirelessly share what's on your smart phone & tablet

Allshare Stream and share music, photos, movies etc directly to your TV

Samsung app store The location for all the TV apps you will ever need

*As advertised in August Brochure

Samsung UEF4500 / 5400 Series

22" - 32" SMART Full HD / HD Wi-Fi LED Slim TV's

Freeview HD · Samsung SMART TV · HD ready 32" · HD ready 1080p 22"

S Recommendation technology, which suggests what's new to watch based on what you like, then presents your personalised choice on Samsung's Smart Hub makes this new LED Series 4 TV an intelligent choice. Hassel-free access to your content via the built-in Wi-Fi and exclusive use of a full catch-up service.

Order Code	Description	Bracket	Trade	Offer
UE32F4500	32" SMART HD Ready TV	● or ●		
UE22F5400	22" SMART Full HD TV	● or ●		

S Recommendation Intelligently suggests what to watch based on what you like

Smart Hub Provides immediate access to your favourite programmes

Catch-up service The only Smart TV's with a full catch-up service

One design "One design" styling - see more of the picture and less of the TV frame

Dual Core Supports multitasking, faster internet connections and drives superior quality

Full HD Samsung's Full HD 1080p TV displays a picture quality that's crisp and clear

Freeview HD Free access to over 50 standard def TV channels and 4 HD channels

Built-in Wi-Fi Built-in Wi-Fi provides hassle free access to all your Smart TV content

On TV panel On TV panel is the gateway to a new and exciting TV experience

Smart View Turns your Samsung compatible smartphone or tablet into a second TV

Screen Mirroring Lets you wirelessly share what's on your smart phone & tablet

Allshare Stream and share music, photos, movies etc directly to your TV

Samsung app store The location for all the TV apps you will ever need

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**
For models not listed here, please contact **Sales** on **01253 607830**

SAMSUNG

Don't forget to order...

HDMi
GOLD PLATED HDMI LEADS AND ADAPTORS

High Performance HDMi 1.4 Cables
featuring Gold-Plated Connectors

Code	Length	Colour	Offer
STA-5010-1M-BLUE	1m	Blue	
STA-5010-3M-BLUE	3m	Blue	
STA-5010-5M-BLUE	5m	Blue	
STA-5010-10M-BLUE	10m	Blue	
STA-5010-1M-RED	1m	Red	
STA-5010-3M-RED	3m	Red	
STA-5010-5M-RED	5m	Red	
STA-5010-10M-RED	10m	Red	
STA-5010-1M-GREEN	1m	Green	
STA-5010-3M-GREEN	3m	Green	
STA-5010-5M-GREEN	5m	Green	
STA-5010-10M-GREEN	10m	Green	

SAMSUNG BLU-RAY / DVD
BD-F5100

Network Blu-ray & DVD Player
Enjoy content from YouTube and BBC iPlayer Sync and share with PCs and mobile devices

SAMSUNG BLU-RAY / DVD
BD-F5500

3D Network Blu-ray & DVD
Enjoy great online content and smart services
Experience amazing Full HD 3D entertainment

SAMSUNG BLU-RAY / DVD
BD-F6500

Smart 3D Blu-ray & DVD Player
Access Smart Hub content and services
Experience immersive Full HD 3D visuals

Samsung F6100 Series

32" - 60" 3D Full HD LED Slim TV's

Active 3D
Samsung Active 3D brings your TV to life - get closer to the action, immerse yourself in the drama - from every angle the Samsung 3D experience is the same, without compromising on superior 2D High Definition picture quality.

Crystal design
Samsung "Crystal design" narrow bezel merges seamlessly into the background. Encased in an attractive crystal clear frame and complemented by an appealing quad stand.

Full HD
Samsung's Full HD 1080p TV displays a picture quality that is crisp, clear, and breathtakingly life-like.

Freeview HD
Freeview HD is a free to air digital service built into your TV to offer more choice with free access to over 50 standard definition TV channels and 4 HD channels

Wide Colour Enhancer Plus
Using an advanced picture quality improvement algorithm, Samsung's Wide Colour Enhancer Plus drastically improves the quality of any image and uncovers hidden details.

ConnectShare
ConnectShare Movie lets you watch videos, play music or view photos from a USB connection without needing to use a PC.

2 x HDMI connections
Get superior picture and sound from your HD source.

With Active 3D for vivid image quality and colours, this LED Series 6 TV gets you closer to the on-screen action from every angle. To add to the immersive effect, the 'more picture, less frame' effect of Samsung's 'One Design', together with Full HD 1080p, create a breathtakingly life-like experience that you'll enjoy all the more with the world of content available through the Freeview HD.

2 FREE Pairs of 3D Glasses with F6100 TV's

Order Code	Description	Bracket	Trade	Offer
UE60F6100	60" 3D Slim Full HD LED	or		
UE55F6100	55" 3D Slim Full HD LED	or		
UE46F6100	46" 3D Slim Full HD LED	or		
UE40F6100	40" 3D Slim Full HD LED	or		
SSG-5100GB	Additional Active 3D Glasses			

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**
For models not listed here, please contact **Sales** on **01253 607830**

SAMSUNG

Don't forget to order...

Labgear HDMi
GOLD PLATED HDMI LEADS AND ADAPTORS

Code	Description	Trade	Offer
HDM1.5E	1.5m HDMi		
HDM3E	3m HDMi		
HDM5E	5m HDMi		
HDM10E	10m HDMi		
HDM15E	15m HDMi		
HDM20E	20m HDMi		
HDM1.5FE	1.5m FLAT		
HDM3FE	3m FLAT		
HDM5FE	5m FLAT		
HDM1.5ES	1.5m SWIVEL		
HDM3ES	3m SWIVEL		
HDMDVA	HDMi - DVi		
HDMC	HDMi Coupler		
HDMRA	Right Angle		

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8421

Ultra slim universal flat screen wall mount for screens up to 37"

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

B-TECH BT8432

Universal flat screen wall mount **with TILT** for screens up to 65"

Samsung F4500 Series

51" and 43" HD Ready Plasma Televisions

Black Optimizer
Black Optimizer automatically adjusts the brightness and contrast settings on the TV. Depending on the lighting conditions, it Intelligently optimizes brightness and black contrast to ensure you see the best possible picture.

Cinema smooth
Cinema smooth technology significantly reduces motion judder from your Blu-ray player so you can enjoy your movie experience the way the Director intended it to be viewed.

Wide Colour Enhancer Plus
Using an advanced picture quality improvement algorithm, Samsung's Wide Colour Enhancer Plus drastically improves the quality of any image and uncovers hidden details. Now see colours as they were meant to be seen with Wide Colour Enhancer Plus.

600Hz Subfield Motion technology
Samsung's 600Hz Subfield Motion technology, flashes a single image up to 600 times a second. The result is smoother images with unprecedented picture quality, no matter how fast the images are moving.

ConnectShare
ConnectShare Movie lets you watch videos, play music or view photos from a USB connection without needing to use a PC. Simply plug your USB drive directly into your Samsung TV's USB port and watch on the big screen with friends and family.

HDMI connection
Get superior picture and sound from your HD source.

Black Optimizer, which adjusts screen brightness so blacks appear as they should under any lighting condition, and Cinema smooth technology which minimizes motion judder for fast moving images, are just two of the intelligent features of the new Plasma Series 4 TV. Add in the unprecedented picture quality improvements created by Wide Colour Enhancer Plus and 600Hz Subfield Motion technologies, and you won't want to watch anything else.

FANTASTIC VALUE SAMSUNG PLASMA TV's!

Order Code	Description	Bracket	Trade	Offer
PS51F4500	51" HD Ready Plasma TV	● or ●		
PS43F4500	43" HD Ready Plasma TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

Samsung F4000 Series

19" - 32" HD Ready LED Slim Televisions

Wide Colour Enhancer Plus
Using an advanced picture quality improvement algorithm, Samsung's Wide Colour Enhancer Plus drastically improves the quality of any image and uncovers hidden details. Now see colours as they were meant to be seen with Wide Colour Enhancer Plus.

Freeview
Freeview is a free to air digital service built into your TV to offer more choice with free access to over 50 TV channels , so now there's always something to watch!

Slim Design
Samsung Slim Design. Encased in an attractive black edge frame combined with an attractive square stand this beautifully designed TV will compliment any room in your home.

ConnectShare
ConnectShare Movie lets you watch videos, play music or view photos from a USB connection without needing to use a PC. Simply plug your USB drive directly into your Samsung TV's USB port and watch on the big screen with friends and family.

2 x HDMI connections
2 x HDMI connections: Get superior picture and sound from your HD source. The High-Definition Multimedia Interface (HDMI) is a digital connection that can transmit HD video and audio over a single cable. Use it to optimize the image quality when you connect your TV to high-definition sources such as an HD cable TV, satellite receiver, or Blu-ray player.

The new LED Series 4 is a TV worth watching...

Featuring Wide Colour Enhancer Plus for dramatically improved images, and built-in Freeview, you'll always have something you want to see. With a USB connection you can enjoy movies, play music and view photos via ConnectShare. And with 2x HDMI connections you'll experience superior picture and sound quality from your HD cable TV, Satellite or Blu-ray player.

REDUCTIONS ACROSS WHOLE RANGE

Order Code	Description	Bracket	Trade	Offer
UE32F4000	32" HD Ready LED TV	● or ●		
UE28F4000	28" HD Ready LED TV	● or ●		
UE19F4000	19" HD Ready LED TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

The full range of Samsung Televisions are available from HBL

For models not listed here, please contact **Sales** on **01253 607830**

SAMSUNG

Don't forget to order...

VGA TO HDMI CONVERTER

- Inputs: VGA socket and 2x Phono sockets
- Output: HDMI socket
- Supports resolutions upto 1280 x 1024
- Supports HDTV resolutions upto 1080P
- LED indication on signal detection
- Plug and play, easy to install
- Dimensions (WxHxD): 89 x 29 x 68 mm
- Supplied with power adaptor & user manual

Samsung F5000 Series

22" - 46" Full HD LED Slim Televisions

Full HD

Samsung's Full HD 1080p TV displays a picture quality that is crisp, clear, and breathtakingly life-like to create an immersive experience.

Freeview HD

Freeview HD is a free to air digital service built into your TV to offer more choice with free access to over 50 standard definition TV channels and 4 HD channels

Wide Colour Enhancer Plus

Using an advanced picture quality improvement algorithm, Samsung's Wide Colour Enhancer Plus drastically improves the quality of any image and uncovers hidden details.

Slim Design

Samsung Slim Design. Encased in an attractive black edge frame combined with an attractive square stand this beautifully designed TV will compliment any room in your home.

ConnectShare

ConnectShare Movie lets you watch videos, play music or view photos from a USB connection without needing to use a PC. Simply plug your USB drive directly into your Samsung TV's USB port.

2 x HDMI connections

2 x HDMI connections: Get superior picture and sound from your HD source. The High-Definition Multimedia Interface (HDMI) is a digital connection that can transmit HD video and audio over a single cable. Use it to optimize the image quality when you connect your TV to high-definition sources such as an HD cable TV, satellite receiver, or Blu-ray player.

With Full HD 1080p for breathtakingly life-like picture quality and more to watch with built-in Freeview HD, it's not just the price you'll love about the new LED Series 5 TV.

Features like Wide Colour Enhancer Plus, for images as they were meant to be seen and ConnectShare, which lets you watch movies, play music or view photos from just a USB connection, simply enrich your experience.

REDUCTIONS ACROSS THE WHOLE RANGE!

Order Code	Description	Bracket	Trade	Offer
UE46F5000	46" Full HD LED TV	● or ●		
UE42F5000	42" Full HD LED TV	● or ●		
UE32F5000	32" Full HD LED TV	● or ●		
UE22F5000	22" Full HD LED TV	● or ●		
VGAHDMI	VGA to HDMi Converter			

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8200

Ultra slim universal flat screen wall mount for screens up to 45"

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

Samsung DVD – E360

Slim DVD Player

DivX / MPEG2/4, USB 2.0

Order Code	Trade	Offer
DVD-E360		

Samsung BLU-RAY / DVD BD-F5100

Network Blu-ray & DVD Player

Enjoy content from YouTube and BBC iPlayer
Sync and share with PCs and mobile devices

Order Code	Trade	Offer
BD-F5100		

Samsung BLU-RAY / DVD BD-F5500

3D Network Blu-ray & DVD

Enjoy great online content and smart services
Experience amazing Full HD 3D entertainment

Order Code	Trade	Offer
BD-F5500		

Samsung BLU-RAY / DVD BD-F6500

Smart 3D Blu-ray & DVD Player

Access Smart Hub content and services
Experience immersive Full HD 3D visuals

Order Code	Trade	Offer
BD-F6500		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**
For models not listed here, please contact **Sales** on **01253 607830**

SHARP

Don't forget to order...

Labgear HDMi
GOLD PLATED HDMI LEADS AND ADAPTORS

Code	Description	Trade	Offer
HDM1.5E	1.5m HDMi		
HDM3E	3m HDMi		
HDM5E	5m HDMi		
HDM10E	10m HDMi		
HDM15E	15m HDMi		
HDM20E	20m HDMi		
HDM1.5FE	1.5m FLAT		
HDM3FE	3m FLAT		
HDM5FE	5m FLAT		
HDM1.5ES	1.5m SWIVEL		
HDM3ES	3m SWIVEL		
HDMDVA	HDMi - DVi		
HDMC	HDMi Coupler		
HDMRA	Right Angle		

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8200

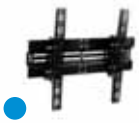
Ultra slim universal flat screen wall mount for screens up to 45"

B-TECH BT8421

Ultra slim universal flat screen wall mount for screens up to 37"

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

B-TECH BT8432

Universal flat screen wall mount **with TILT** for screens up to 65"

All Sharp TV's support VGA Input

Sharp LE651 Series
60", 50" and 39" Full 1080p 3D Smart Freeview HD Televisions

Full HD Panel (1920 x 1080)
Freeview HD built-in
3D TV with Edge LED backlight
100Hz
AQUOS NET+ Smart platform with Internet browser
Media player via home network (DLNA) or USB
USB PVR with Timeshift+ ready

HD ready 1080p
Freeview HD

The AQUOS LE651 series uses the latest Sharp image technology to give you the best possible viewing experience, thanks to its natural colours, rich contrast and depth and smooth moving images, no matter what you're watching - 2D or 3D. Through Ethernet or with optional Wifi dongle, access to Aquos Net+ means you are connected to the world of apps and contents. All packed in an elegant, floating design.

Order Code	Description	Bracket	Trade	Offer
LC60LE651K	60" 3D Smart			
LC50LE651K	50" 3D Smart	or		
LC39LE651K	39" 3D Smart	or		
AN3DG20B	3D Glasses			
ANWUD630	WiFi Dongle			

Sharp LE351 Series
Full HD 1080p Smart EDGE LED's

39" / 32" AVAILABLE IN BLACK OR WHITE

HD ready 1080p
Freeview HD

Full HD Panel with Edge LED backlight
AQUOS Net+ with Apps
PVR and Timeshift ready
DLNA and USB Media player for video, music and pictures

Order Code	Description	Bracket	Trade	Offer
LC39LE351KWH	39" WHITE TV	or		
LC39LE351KBK	39" BLACK TV	or		
LC32LE351KWH	32" WHITE TV	or		
LC32LE351KBK	32" BLACK TV	or		
ANWUD350	WiFi Dongle			

Sharp LD145K SERIES
32" HD Ready FreeView Television and 39" Full HD FreeView Television

HD ready
Freeview

HD ready panel
PVR and Timeshift ready via USB
Freeview Built-in
USB Media player
Direct LED Backlight

The LD145 is a TV with plenty of features at an attractive price, but without compromising on sound and picture quality. The built-in Recorder and Media Player for USB connected devices make it a multimedia talent for videos, music and photos.

Order Code	Description	Bracket	Trade	Offer
LC39LD145K	39" Full HD TV	or		
LC32LD145K	32" HD Ready TV	or		

Sharp LC24DV250K
24" FreeView TV / DVD Combi

HD ready
Freeview

DVD Player built-in
PVR and Timeshift ready via USB
Freeview
Media player for video, music and pictures via USB

The DV250 is a TV with built-in DVD drive and plenty of other features at an attractive price, but without compromising on sound and picture quality. The built-in Recorder and Media Player for USB connected devices make it a multimedia talent for video, music and photo.

Order Code	Description	Bracket	Trade	Offer
LC24DV250K	24" TV / DVD	or		

Sharp LE250 Series
HD Ready FreeView Televisions

HD ready
Freeview

HD-Ready (1366 x 768)
PVR and Timeshift ready via USB REC
Freeview
USB Media player for video, music and pictures

Order Code	Description	Bracket	Trade	Offer
LC24LE250KBK	24" BLACK TV	or		
LC22LE250K	22" BLACK TV	or		

ultra largescreen televisions

everything is about to change

Full HD X-GEN Panel (1920 x 1080 x 3)
HD Tuner (DVB-T/T2 / DVB-C / DVB-S/S2), MPEG2 / MPEG4 H.264
LCD TV with Direct Full LED Backlight
Active Motion 200 (100HZ Native LCD Panel)
AQUOS NET+ Internet Access
Media Player via Home Network (DLNA) or USB
USB Timeshift+ for Easy Programming

LC70LE747KN
LC80LE657KN
LC90LE757K
AN3DG40 (3D Glasses)
BT9903 (Flat Panel Mount up to 90")

The new Ultra Largescreen Sharp Televisions use the very latest Sharp image technology to give you the best possible viewing experience, no matter what you're watching - 2D or 3D. The picture, with its natural colours, really comes alive and is rich in contrast and breathtaking depth. And what's more, the low energy consumption means you get top image quality with efficiently low power consumption. 3D capable, and with AQUOS NET+, you have access to your world of contents through your internet connection.

747KN 70", Full HD, Edge LED, 3D, Freeview HD, Aquos Net+
657KN 80", Full HD, Edge LED, 3D, Freeview HD, Aquos Net+
757K 90", Full HD, Direct LED, 3D, Freeview HD, Aquos Net+

Wi-fi dongle included with all sets, 3D Glasses not included

OPTIMUM VIEWING DISTANCES

Recommended minimum distance to enjoy your big screen

Standard Delivery Charges do not apply

Please enquire regarding availability. Call Sales on 01253 607 830 SHARP

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**
For models not listed here, please contact **Sales** on **01253 607830**

Panasonic ideas for life

Don't forget to order...

Labgear HDMi

GOLD PLATED HDMI LEADS AND ADAPTORS

LOWEST PRICES!

Code	Description	Trade	Offer
HDM1.5E	1.5m HDMi		
HDM3E	3m HDMi		
HDM5E	5m HDMi		
HDM10E	10m HDMi		
HDM15E	15m HDMi		
HDM20E	20m HDMi		
HDM1.5FE	1.5m FLAT		
HDM3FE	3m FLAT		
HDM5FE	5m FLAT		
HDM1.5ES	1.5m SWIVEL		
HDM3ES	3m SWIVEL		
HDMDVA	HDMi - DVi		
HDMC	HDMi Coupler		
HDMRA	Right Angle		

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8200

Ultra slim universal flat screen wall mount for screens up to 45"

B-TECH BT8421

Ultra slim universal flat screen wall mount for screens up to 37"

B-TECH BT8210

Ultra slim universal flat screen wall mount for screens up to 55"

B-TECH BT8431

Universal flat screen wall mount **with TILT** for screens up to 50"

Panasonic X60B Series Plasmas

50" and 42" VIERA Plasma FreeView HD TV's

600Hz Sub-field Drive | **Superb Contrast**
Media Player | **Eco Navigation**
Mercury and Lead Free Panel | **Energy Efficiency Class B**

Plasma picture quality made easy...

Panasonic uses its own unique image-analysis technology.

This technology converts the motion in each scene into data, and each frame is virtually displayed in a shorter length of time, to create crisp images.

Content stored in an SD card or USB memory stick can easily be played on VIERA's large screen.

Order Code	Description	Bracket	Trade	Offer
TX-P50X60B	50" Plasma	● or ●		
TX-P42X60B	42" Plasma	● or ●		

Panasonic B6B Series

Widescreen Full HD 1080p LED TV's with Freeview HD

FHD LED TV's
High Contrast with 50Hz Backlight Scanning, Media Player, Viera Link, V-Audio, 2 x HDMI, 1 x USB

The Panasonic B6B comes in a sleek design that doesn't compromise on superb functionality. The high contrast LED TV offers exceptional image quality for a truly immersive experience. And with Freeview HD, digital TV and radio channels, Panasonic are ready to bring a whole new world of high definition entertainment, straight to the comfort of your abode. Giving you full 1080p quality, it gives you the chance to experience your favourite movies and games in a new light.

Order Code	Description	Bracket	Trade	Offer
TX-L50B6B	50" LED TV	● or ●		
TX-L42B6B	42" LED TV	● or ●		
TX-L39B6B	39" LED TV	● or ●		
TX-L32B6B	32" LED TV	● or ●		

Panasonic XM6B Series

VIERA LED FreeView HD TV's

Slim Design | **High Contrast**
Dot Noise Reduction | **USB**
Media Player (Photo & Music) | **Energy Efficiency Class A+**

Order Code	Description	Bracket	Trade	Offer
TX-L32XM6B	32" HD LED TV	● or ●		
TX-L24XM6B	24" HD LED TV	● or ●		
TX-L19XM6B	19" HD LED TV	●		

Panasonic TX-L24X6B

24" Smart VIERA LED TV

Slim Design | **Voice Guidance**
My Home Screen | **VIERA Connect**
Swipe & Share 2.0 | **Energy Efficiency Class A**

VIERA Connect brings you video-on-demand (VOD), catch-up TV, games, educational content, and lots more, through a wide range of apps.

Order Code	Description	Bracket	Trade	Offer
TX-L24X6B	24" Smart LED TV	● or ●		

The full range of Panasonic Audio Visual are available from HBL

For models not listed here, please contact **Sales** on **01253 607830**

Panasonic ideas for life

Don't forget to order...

HDMi

GOLD PLATED HDMI LEADS AND ADAPTORS

High Performance HDMi 1.4 Cables **featuring Gold-Plated Connectors**

Code	Length	Colour	Offer
STA-5010-1M-BLUE	1m	Blue	
STA-5010-3M-BLUE	3m	Blue	
STA-5010-5M-BLUE	5m	Blue	
STA-5010-10M-BLUE	10m	Blue	
STA-5010-1M-RED	1m	Red	
STA-5010-3M-RED	3m	Red	
STA-5010-5M-RED	5m	Red	
STA-5010-10M-RED	10m	Red	
STA-5010-1M-GREEN	1m	Green	
STA-5010-3M-GREEN	3m	Green	
STA-5010-5M-GREEN	5m	Green	
STA-5010-10M-GREEN	10m	Green	

Blu-Ray / DVD / Digi-Box Wall Mounts 1 Shelf or 2 Shelf

Black glass and aluminium DVD wall mounts

W 420mm,
D 338mm
H 250mm (1 Shelf),
650mm (2 Shelf),
DVD support
Weight-max 10kg
Cable management

Ideal for Blu-Ray Players, DVD Players and Digi Boxes

Code		Trade	Offer
1SWM	1 Shelf		
2SWM	2 Shelf		

B-TECH BT7523

Universal flat screen wall mount **with TILT** for screens up to 42"

B-TECH BT8200

Ultra slim universal flat screen wall mount for screens up to 45"

Panasonic E6B Series

32" and 39" Smart VIERA Silver LED Televisions

Audio Quality Information

V-Audio Pro Surround Sound

AV inputs Information: Rear

Panasonic

Digital tuner Information: Freeview HD

Dimensions: H43.4 x W72.4 x D5.3cm

DLNA Compatible: YES

Energy Rating: A

Full HD 1080p: YES

My Home Screen | **Web Content Optimizer**
100Hz Backlight Blinking | **VIERA Connect**
Swipe & Share 2.0 | **Super Narrow Bezel**

BUILT-IN WI-FI VIERA

Order Code	Description	Bracket	Trade	Offer
TX-L39E6B	39" Silver Smart LED	or		
TX-L32E6B	32" Silver Smart LED	or		

DMR-EX86EBK

DVD Recorder with 320GB HDD and Freeview Plus

DVD Recorder Freeview + 320GB HDD (Approx 564 Hours on HDD)

1080p Up Convesion High Speed Data Archive with USB Music Jukebox with Gracenote

Order Code	Trade	Offer
DMR-EX86EBK		

DVD-S500EB-K

DVD Player

High Quality Picture Progressive Playback JPEG Slideshow

MP3 Playback Space Saving, Compact Design

Order Code	Trade	Offer
DVD-S500EB-K		

DMP-BD79EB-K

2D Blu Ray Player with VOD and Catch Up TV

VOD and Catch Up TV
Wireless LAN Ready
DNLA
NAS Compatibility

External HDD Playback
Multi User Mode
HDMI-CEC
Ultra fast Booting and Loading

Order Code	Trade	Offer
DMP-BD79EB-K		

SC-PM200EB-S

20W Micro System

20W Micro System
Full Range Speakers
Full Digital AMP

Music Port
FM/AM Radio
USB Slot

Order Code	Trade	Offer
SC-PM200EB-S		

The full range of B-TECH AV Mounts are available from HBL

For models not listed here, please contact **Sales** on **01253 607830**

Don't forget to order...

B-TECH AND HBL

BT8200

FLAT SCREEN WALL MOUNT (UPTO 45")

VESA Compatibility: 75mm x 75mm, 100mm x 100mm, 200mm x 100mm and 200mm x 200mm

Max Weight: 35kg (77lbs)

B-TECH AND HBL

BT8210

FLAT SCREEN WALL MOUNT (UPTO 55")

VESA Compatibility: 75 x 75, 100 x 100, 200 x 100, 200 x 200, 200 x 300, 300 x 200, 300 x 300, 400 x 200, 400 x 300, 400 x 400

Max Weight: 50kg (110lbs)

B-TECH HEAVY DUTY FLAT PANEL MOUNT UPTO 90"

BT9903

HEAVY DUTY FLAT PANEL MOUNT UPTO 90"

Designed for screens up to 130kg
And fixing patterns up to 1100mm x 730mm

Order code BT9903 trade offer

FIXED

BT7510
BT7511

FLAT SCREEN WALL MOUNT (UPTO 23")

23"

VESA Compatibility:
50mm x 50mm, 75mm x 75mm and 100mm x 100mm

Max. Weight: 20kg (44lbs)

Order Code		Trade	Offer
BT7510	Slim		
BT7511	Tilt		

BT8200

FLAT SCREEN WALL MOUNT (UPTO 45")

45"

VESA Compatibility: 75mm x 75mm, 100mm x 100mm, 200mm x 100mm and 200mm x 200mm

Max Weight: 35kg (77lbs)

Order Code	Trade	Offer
BT8200		

BT8210

FLAT SCREEN WALL MOUNT (UPTO 55")

55"

VESA Compatibility: 75 x 75, 100 x 100, 200 x 100, 200 x 200, 200 x 300, 300 x 200, 300 x 300, 400 x 200, 400 x 300, 400 x 400

Max Weight: 50kg (110lbs)

Order Code	Trade	Offer
BT8210		

BT8220

FLAT SCREEN WALL MOUNT (UPTO 65")

65"

VESA Compatibility: 75 x 75, 100 x 100, 200 x 100, 200 x 200, 200 x 300, 300 x 200, 300 x 300, 400 x 200, 400 x 300, 400 x 400, 600 x 400, 800 x 400

Max Weight: 70kg (154lbs)

Order Code	Trade	Offer
BT8220		

TILT

BT7523

Flat Screen Wall Mount with Tilt

42"

VESA Compatibility:
75 x 75, 100 x 100, 200 x 100, 200 x 200mm

Max weight 25kg (55lbs)

Order Code	Trade	Offer
BT7523		

BT8431

Universal Flat Screen Wall Mount

50"

VESA Compatibility:
75 x 75, 100 x 100, 200 x 100, 200 x 200, 300 x 200, 300 x 300, 400 x 200, 400 x 300, 400 x 400mm

Max Weight: 35kg (77lbs)

Order Code	Trade	Offer
BT8431		

BT8432

Universal Flat Screen Wall Mount with Tilt

65"

VESA Compatibility:
75 x 75, 100 x 100, 200 x 100, 200 x 200, 300 x 200, 300 x 300, 400 x 400, 600 x 400, 800 x 400

Max weight 70kg (154lbs)

Order Code	Trade	Offer
BT8432		

BT8426
BT8427

Adjustable Drop Flat Screen Ceiling Mounts with Tilt

50" 65"

VESA Compatibility: 75 x 75, 100 x 100, 200 x 100, 200 x 200, 200 x 300, 300 x 200, 300 x 300, 400 x 200, 400 x 300, 400 x 400 BOTH
600 x 400, 800 x 400, 800 x 500 BT8427 ONLY
Max Weight: 40kg (88lbs) / Max Weight: 70kg (154lbs)

Order Code		Trade	Offer
BT8426	Upto 50"		
BT8427	Upto 65"		

TILT AND SWIVEL

BT7513

Double Arm Wall Mount Tilt & Swivel

23"

VESA Compatibility:
75 x 75, 100 x 100

Max Weight: 15kg (33lbs)

Order Code	Trade	Offer
BT7513		

BT7515

Double Arm Wall Mount Tilt & Swivel

42"

VESA Compatibility:
75 x 75, 100 x 100, 200 x 100, 200 x 200mm

Max. Weight: 25kg (55lbs)

Order Code	Trade	Offer
BT7515		

BT7535

Double Arm Wall Mount Tilt & Swivel

50"

VESA Compatibility:
75 x 75, 100 x 100, 200 x 100, 200 x 200, 200 x 300, 300 x 200, 300 x 300, 400 x 200, 400 x 300, 400 x 400

Max Weight: 40kg (88lbs)

Order Code	Trade	Offer
BT7535		

BT8504

Large Flat Screen Display Trolley

50"

VESA Compatibility:
75 x 75, 100 x 100, 200 x 100, 200 x 200, 300 x 200, 400 x 200, 200 x 300, 300 x 300, 400 x 400, 600 x 400

Max Weight: 70kg (154lbs)

Order Code		Trade	Offer
BT8504BLACK	Black/Black		
BT8504SILVER	Black/Silver		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

TV STANDS
WALL MOUNTS & BRACKETS

Don't forget to order...

Classik C303 Series

CLASSIK600 600x400x502
22 - 26", 50kg, 3 Shelf Unit

CLASSIK800 800x450x506
32 - 37", 70kg, 3 Shelf Unit

CLASSIK1050 1050x450x508
42 - 46", 70kg, 3 Shelf Unit

CLASSIK1200 1200x450x379
50 - 65", 70kg, 2 Shelf Unit

Code	Trade	Offer
CLASSIK600		
CLASSIK800		
CLASSIK1050		
CLASSIK1200		

C301 SERIES
Flat Panel Support, Satin Black Legs Black Glass

C301600BB	C301800BB	C3011000BB
Dimensions: 600 x 400 x 500	Dimensions: 800 x 400 x 500	Dimensions: 1000 x 400 x 500
TV Size: 22" / 32", TV	TV Size: 32" / 37", TV	TV Size: 37" / 42", TV
Weight: 50kg	Weight: 70kg	Weight: 70kg

Code	Trade	Offer
C301600BB		
C301800BB		
C3011000BB		

SYMMETRY Series
Gloss Black Legs with Black Ceramic Glass

SYM600	SYM800
600x400x498	800x400x498
22"-32" TV'S	26"-37" TV'S

Code	Trade	Offer
SYM600		
SYM800		

CLASSIK301
Corner Stand

Dimensions (mm): 800 x 400 x 480, w x d x h

To fit TV size max: 26"/37"

Support Weight: 70 (kg)

Order Code	Trade	Offer
CLASSIK301		

SC5 Beam-Through Black Glass Stand

SC5 Beam-Through Black Glass Cabinet Stand...

No blockage to remote Control Use!

Order Code	Trade	Offer
SC5		

SLx 28042R
SLx Ultra Thin Flat to Wall Mount for TV's 42" - 63"

Code	Trade	Offer
28042R		

28030R Flat-to-wall for TVs up to 32"

Code	Trade	Offer
28030R		

28032R SLx 14" - 32" TV Wall Mount with Adjustable Arm

Code	Trade	Offer
28032R		

28038R 32" - 40" TV Wall Mount, Flat to Wall, Ultra Slim

Code	Trade	Offer
28038R		

28034R SLx Tilt and Swivel Swing Arm for TV's to 32"

Code	Trade	Offer
28034R		

SLx 28035R
SLx 14" - 32" TV Wall Mount with Swivel Arm

Code	Trade	Offer
28035R		

28033R SLx Gold 14" - 32" TV Wall Mount Tilt & Swivel

Code	Trade	Offer
28033R		

28036R Multi-Position for TVs up to 32"

Code	Trade	Offer
28036R		

28040R Adjustable Tilt for TVs 32" to 40"

Code	Trade	Offer
28040R		

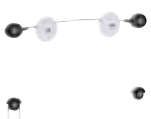
28049R SLx 32"-63" Ultra-Thin LED TV Mount, Flat to Wall

Code	Trade	Offer
28049R		

SLx 28047R
Multi Positional Wall Mount for TV's 32" - 50" with Dual Arm

Code	Trade	Offer
28047R		

28050R SLx Gold 32"-55" LED TV Mount, Picture Frame Style



Code	Trade	Offer
28050R		

28044R SLx 42" - 63" TV Wall Mount with Adjustable Tilt

Code	Trade	Offer
28044R		

28037R SLx Gold 14" - 32" TV Wall Mount Multi Positional with Tilt

Code	Trade	Offer
28037R		

28046R SLx Gold 32"-50" TV Wall Mount, Multi Positional

Code	Trade	Offer
28046R		

CLEARANCE

aerial and satellite audio visual

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

AV Wire Tape

- BNC AVW03 5 Lane
- VGA AVW03 5 Lane
- HDMI AVW02 18 Lane
- Twin F AVW07 5 Lane
- Component AVW05 5 Lane
- F Con AVW04 5 Lane
- Phono AVW01 5 Lane
- Ethernet AVW08 18 Lane
- Composite AVW09 5 Lane
- AVW18L 18 Lane Tape
- AVW5L 5 Lane Tape

Sharp LE351 Series

Full HD 1080p Smart EDGE LED's

Full HD Panel with Edge LED backlight AQUOS Net+ with Apps PVR and Timeshift ready DLNA and USB Media player for video, music and pictures

Order Code	Description	Bracket	Trade	Offer
LC39LE351KWH	39" WHITE TV	● or ●		

Sharp LE351 Series

Full HD 1080p Smart EDGE LED's

Full HD Panel with Edge LED backlight AQUOS Net+ with Apps PVR and Timeshift ready DLNA and USB Media player for video, music and pictures

Order Code	Description	Bracket	Trade	Offer
LC32LE351KWH	32" WHITE TV	● or ●		

Cello 28" C28227DVB

LED TV's with Built In DVD Player

Mpeg 4 (H.264) Technology (can receive Freeview in UK and Saorview in the Rep of Ireland) 3 x HDMI connections USB connectivity to playback movies, music and photos

Order Code	Trade	Offer
C28227DVB		

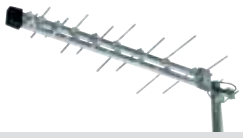
Cello 32" C32224F

LED TV's with Built In DVD Player

Integrated DVD Player Freeview and Soarview UK & Irish Digital Channels SRS TruSurround HD 3 x HDMI connections USB connectivity to view movies, games and photos Made in the UK

Order Code	Description	Bracket	Trade	Offer
C32224FW	32" LED TV white	● or ●		

27885R MegaBoost Aerial



Log priodic design gives consistant performance across full UHF TV band Suitable for digital and analogue signals Superior resistance to impulse interference

Order Code	Trade	Offer
27885R		

SLx 27867R

SLx Digital TV Signal Strength Meter

Align your aerial for the best digital reception LEDs indicate signal strength Connects directly to your aerial Supplied with a Short F Lead

Order Code	Trade	Offer
27867R		

26441H/01

Co-Axial Plug To Plug Lead (3Mtr)

Philex 26441H Co-Axial Plug To Plug Lead (3Mtr) Gold plated connectors for maximum contact Individually screend cable reduces interference PVC outer jacket protects cable

Order Code	Trade	Offer
26441H/01		

Horizon NanoSat Meter

Ideal for Caravaneers Satellite Meter

Easy to use one button operation Small, light weight - Carry case included No batteries required - Positive satellite ID Clear backlit 128 x 64 pixel LCD display

Order Code	Trade	Offer
NANOSAT		

26613PB

HDMi Cable to HDMi 0.75m

HDMi Cable to HDMi 0.75m Ideal as an interconnect cable

Order Code	Trade	Offer
26613PB		

Blakes masthead splitters

2 way and 4 way masthead splitters

Order Code	Trade	Offer
Promhs12p		
Promhs14p		

Wf65w Webro Twin Sat Cable

250m Drum White Cable

Order Code	Trade	Offer
WF65W		

26622HS twin pack Gold HDMI Leads

2m Twin Pack HDMI Leads

Order Code	Trade	Offer
26622HS		

HDMIE50 Antiference 50m HDMI Extender Over Cat5e Cat6

Full 3d 1080p - With IR Remote Control Support

Order Code	Trade	Offer
HDMIE50		

22819r LCD/Plasma Cleaning kit

Contents: 200ml solution, Anti-static brush, & Lint-free cloth

Order Code	Trade	Offer
22819R		

DMP-MS10EB-K Smart Network Streaming Player

Video on Demand in HD Quality

Miracast - Mirror Smartphone or Tablet Display onto a Large Screen

Order Code	Trade	Offer
DMP-MS10EB-K		

Harry B Litherland Limited
50 YEARS OF EXCELLENCE

SAMSUNG
Panasonic
LG
cello
SHARP
B TECH
Antiference
Labgear
PHILEX
TRIAX
Optoma
TriStar
NEC
APart
TEAC
SigNET
Wharfedale
DENON
TRANTEC
SENNHEISER
Cloud
TASCAM
audio-technica
JBL
TOA
YAMAHA
HBCCTV
HIKVISION
QVIS

PF100 CAI Approved Cable

Ideal for installations where the cable must be durable. 64 strands of bare copper as opposed to 48 with other brands.

Code		Trade	Offer
27660R	Black 100m		
27660W	White 100m		
27660B	Brown 100m		
27661R	Black 250m		
27661W	White 250m		
27661B	Brown 250m		

CAI Approved
1mm BC Conductor
80x 13mm BC braiding
4,7mm Gas injected foam dielectric
Copper foil shielding
Primary grade A PVC
Overall diameter 6.6mm
Metre Marking
75 Ohm

Now in Stock

RG6 64 Strand Foam Filled Satellite Cable

Code		Trade	Offer
69203	Black 100m		
69203A	White 100m		
69203BR	Brown 100m		
27615R	Black 250m		
27615W	White 250m		
27615BR	Brown 250m		

Aerial and Satellite

Sales **01253 607830**
Tech **01253 607859**
Fax **01253 607831**
Web **www.hblitherland.co.uk**
Email **sales@hblitherland.co.uk**

MARCH 2014

TRIAX

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Triax Link

2x RF outputs
Terrestrial Loop Through
Built-In DC Input to power Link Amplifiers via Link PSU
Plug and Play with Sky HD set top box default settings

Code	Trade	Offer
TRIAXLINK		
TRIAXPSU		

370228 REMOTE EYE

Easy to install
Modern design in Black only
F Connected

Code	Trade	Offer
370228		

T & K BRACKETS (12", 18". 24" & 36")

Code		Trade	Offer
69045	12" Stand-Off (Painted)		
69046	18" Stand-Off (Painted)		
69052	24" Stand-Off (Painted)		
69045G	12" Stand-Off (Galvanized)		
69046G	18" Stand-Off (Galvanized)		
69052G	24" Stand-Off (Galvanized)		
69068G	36" Stand-Off (Galvanized)		

ICECRYPT LNB's

Code		Offer
69313	Single	
69314	Twin	
69315	Quad	
69316	Quatro	
69318	Octo	

HG10 52 Element Wideband
HG5 32 Element Wideband

Strong, Rugged Construction
Sealed F-Connector Dipole Housing
Elements: 52 Gain: 10-12 dB

4G / LTE READY

Order Code	Trade	Offer
108174	HG5	
108176	HG10	

QR12F Digital Aerial

12 Elements, 14dB Gain
F Connected
CAI Approved
Group W

4G / LTE READY

Order Code	Trade	Offer
108170		

WOLSEY Distribution Amps

Variable Gain
UHF/VHF Distribution Amps
1, 2, 4, 6, 8, 12, or 16 way
Increases TV and radio signals for distribution

4G / LTE READY

Order Code	Trade	Offer
334011	1 In 1 Out	
334012	1 In 2 Out	
334013	2 In 4 Out	
334014	2 In 6 Out	
334015	2 In 8 Out	
334016	2 In 12 Out	
334017	2 In 16 Out	

WOLSEY Distribution Amps with digital bypass

Variable Gain
UHF/VHF Distribution Amps
1, 2, 4, 6, 8, 12, or 16 way
Increases TV and radio signals for distribution with digital bypass

4G / LTE READY

Order Code	Trade	Offer
334021	1 In 2 Out	
334022	2 In 4 Out	
334023	2 In 6 Out	
334024	2 In 8 Out	
334025	2 In 12 Out	
334026	2 In 16 Out	

WOLSEY Masthead Kits 10-25db

10-25db Variable Gain
1, 2, 4, 6 Way versions
Complete with PSU
Fully F-Connected

4G / LTE READY

Order Code	Trade	Offer
370559	1 Way	
370560	2 Way	
370561	4 Way 0-10db	
370562	4 Way 10-25db	
370563	6 Way	

TX100 Foam Filled Cable

Black, 250m, CAI Approved
Ideal for SKY installations
Ideal for long cable runs

Order Code	Trade	Offer
370751	BLACK	
370755	WHITE	

108024W 10 Element contractor aerial

10 Element contractor aerial
ideal for strong signal areas
compact design

Order Code	Trade	Offer
108024W WB		
108020 A		

Tri-Link Kit
Multi-Room Control

The New Triax Tri-Link kit solves the issue of distributing Freesat, Freeview and SKY around the home, with the ability to view and control all STB's on existing analogue sets

Order Code	Trade	Offer
370407		

QR10 10 Element Digital Aerial

F Connected • 10 Elements
12dB Gain • Group W

Order Code	Trade	Offer
108044WBAG		

370692/3
1 Way/2 Way 0-10dB Masthead Amplifier

Complete with PSU Fully F Connected

Order Code	Trade	Offer
370692 1 Way		
370693 2 Way		

334046
Distribution Amps

16 Way
Variable Gain
UHF/VHF Distribution Amps
Increases TV and radio signals for distribution

Order Code	Trade	Offer
334046 16 out		

370553
1 Way
10-25 dB Masthead Amplifier

Complete with PSU Fully F Connected

Order Code	Trade	Offer
370553 1 Way		

Digi-Dishes 54cm - 110cm

FreqRange 10,7-12,75 GHz
X-Polarisation >27dB
Offset Angle 26 degrees

Order Code	Trade	Offer
122501	54cm	
122601	64cm	
122701	78cm	
122801	88cm	
122901	110cm	

SKY / SKY+ DDU

Domestic distribution for the home environment
DDU distributes UHF, FM, DAB, Sky/Sky+ and CCTV to the main TV

Order Code	Trade	Offer
333112		

HDS110 F-T-A Satellite HD/SD

HDMI and SCART Outputs, Dolby Digital Plus
PVR Ready - Record, Pause and Rewind Live TV, via an external HDD
Playback Movies, Music and Photos via, ext HDD

Order Code	Trade	Offer
HDS110		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

4G LTE Facts and Solutions

From summer 2013, 4G, that enables super-fast mobile internet, is arriving in the UK at a new frequency: 800 MHz. While 4G benefits the UK by giving us access to next generation mobile internet services, there is a chance that 4G at 800 MHz may also disrupt some people's existing Freeview service. Satellite and cable TV services are not expected to be affected.

As 4G arrives, some services will run on the 800 MHz spectrum band, which is close to the frequency used by certain Freeview services. Because of this proximity, viewers who watch Freeview but live close to a new 4G mast, could experience interference.

Symptoms for those affected might include a loss if sound, blocky or pixelated images or loss of some or all channels. Only those who watch TV channels on Freeview are expected to be affected; you are unlikely to experience any interference if you watch cable or satellite TV.

HBL supply approved filters for households whose Freeview services are most likely to be affected by 4G at 800 MHz. If these households watch Freeview on other TVs in their property, they may need additional filters.

HBL also supply a full range of aerials and amplifiers with built in 4G filters.

4G mast activation is imminent in the following areas:

London and areas around the M25, including Slough, St Albans, Guildford.

Birmingham

Bradford

Brighton

Coventry

Edinburgh

Glasgow and Paisley

Leeds and Bradford

Leicester

Manchester

Merseyside

Newbury

Newcastle upon Tyne

Nottingham

Sheffield

Areas and towns in Surrey, West Sussex, East Sussex and Kent

York

NEW 4G Range from Philex

Remove TV interference and channel loss caused by 4G mobile phone signals

PHILEX

4G

SLx 4G Ready Aerial Amps - Coax

SLx Gold 2, 4, 6 or 8 Output Distribution Amps

4G Compatible

4G APPROVED

Designed to increase and distribute TV and FM aerial signals to up to 4 devices
Integrated 4G filter removes interference and channel loss from your TV caused by 4G mobile phone signals
Can also be used to distribute the signal from a satellite/freeview receiver

Order Code	Description	Trade	Offer
28102HSG	2-way 4G Amp		
28103HSG	4-way 4G Amp		
28104RG	6-way 4G Amp		
28105RG	8-way 4G Amp		

SLx 4G Ready Aerial Amps - F Conn

SLx Gold 4, 6 or 8 Output Satellite Distribution Amps

4G Compatible

4G APPROVED

Designed to increase & distribute the signal from a digital satellite receiver to up to 6 TV's from 1 aerial
Integrated 4G filter removes interference and channel loss from your TV caused by 4G mobile phone signals
Distribute TV aerial output to up to six TV's without signal loss. Digital satellite compatible by-pass allows amplifier to work with Digi-eye extenders such as the SLx Link & SLx Omni-Link system

Order Code	Description	Trade	Offer
28103FG	4-way 4G Amp		
28104FG	6-way 4G Amp		
28105FG	8-way 4G Amp		

SLX 4G Distribution Amplifiers

1 Way, 2 Way, 4 Way 6+1 Way and 8+1Way

4G Compatible

4G APPROVED

Auto line powering for masthead amps
Variable Gain Control (SLx1/SLx2 only)
Amplification gain 10.5dB on all ports
25mA line power on UHF (not SLx1/SLx2)

Order Code	Description	Trade	Offer
27828HSG	1-way 4G Amp		
27822HSG	2-way 4G Amp		
27820HSG	4-way 4G Amp		
27823RG	6+1-way 4G Amp		
27824RG	8+1-way 4G Amp		

SLX 4G Distribution Amplifiers with Digital Bypass

4G Compatible

4G APPROVED

Double insulation and safety certified to the latest BS and CE standards
Short circuit protection with blue LED
6dB signal amplification

Order Code	Description	Trade	Offer
27822BMG	2-way 4G Amp		
27820BMG	4-way 4G Amp		
27823BMG	6-way 4G Amp		
27824BMG	8-way 4G Amp		

SLx 4G Ready Aerial Amplifiers

SLx 2 or 4 Outlet Compact Aerial Distribution Amplifiers

4G Compatible

4G APPROVED

Designed to increase and distribute TV and FM aerial signals to up to 4 devices
Integrated 4G filter removes interference and channel loss from your TV caused by 4G mobile phone signals
Boosts signals even in poor reception areas
Can also be used to distribute the signal from a satellite/freeview receiver
Fully compatible with Sky/Sky+ & Digi-Eye/Digi-Link remote control extender systems

Order Code	Description	Trade	Offer
27857FG	2-way 4G Amp		
27858FG	4-way 4G Amp		

27887K4 4G Ready Outdoor Aerial

SLx 4G 32 Element Digital TV Aerial Kit

4G Compatible

4G APPROVED

32 Element, wideband UHF digital aerial with fixing kit
Medium gain - suitable for moderate signal areas
Integrated 4G filter removes interference and channel loss from your TV caused by 4G mobile phone signals
Receives all locally available digital TV signals
Suitable for outdoor or loft installation. Fixing kit included

Order Code	Description	Trade	Offer
27887K4	4G Aerial Kit		

27880D4 10 Element Wideband

4G APPROVED

4G Compatible
Receives both digital and analogue TV signals
Suited for strong signal strength areas

Order Code	Trade	Offer
27880D4		

27887D4 32 Element Wideband

4G APPROVED

4G Compatible
Receives all locally available digital & analogue TV
Outdoor or loft installation. Ideal for FREEVIEW reception
Suitable for weak, moderate and strong signal areas

Order Code	Trade	Offer
27887D4		

27884D4 48 Element Wideband

4G APPROVED

4G Compatible
Receives all locally available digital and analogue terrestrial TV signals. Ideal for FREEVIEW reception
Suitable for weak, moderate and strong signal areas

Order Code	Trade	Offer
27884D4		

High Performance 4G Indoor Digital TV Aerial

4G APPROVED

4G Compatible
Analogue and digital TV / Radio signals
Fully adjustable, rotating elements
Adjustable VHF Antennae
Ideal for FM reception on Hi-Fi systems

Order Code	Trade	Offer
27769RG 4G Indoor Aerial		

4G 1 way, 2 way and 4 way TV Signal Boosters

4G APPROVED

4G Compatible
Compact Signal Booter Amplifiers
Compact unit with separate power adaptor, 18dB gain

Order Code		Trade	Offer
27811HSG	1-way 4G		
27812HSG	2-way 4G		
27813HSG	4-way 4G		
27814HSG	6-way 4G		

4G Filter Plus Coaxial Lead for TV

4G APPROVED

4G Compatible
Removes TV interference and channel loss caused by 4G mobile phone signals Simply plugs in between the aerial and TV or set top box Coax connectors
No power required

Order Code	Trade	Offer
19165R 4G Filter		

CABLES AND BRACKETRY

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

All Your Essential Installation Accessories

Code	Description	Trade	Offer
69177	Screw On F Connector		
69178	Zinc F Connector		
FPC100	Crimp On Plugs CT100		
FPC125	Crimp On Plugs CT125		
FPC165	Crimp On Plugs CT165		
FCFF	F Coupler Skt - Skt		
FCMM	F Coupler Plug - Plug		
CM9101	75 ohm F Terminator		
69057	Coax Coupler Plastic		
19100B	Brass Coax Plug		
69063	Screw On Coax Plug		
19065R	Adaptor - F Skt - Coax Skt		
19067R	Adaptor - F Plug - Coax Skt		
19068HS	Adaptor - F Plug - Coax Plug		
F399D	Adaptor - F Skt - Coax Plug		
19072R	BNC Plug - F Socket		
19082R	F Skt - Phono Plug		
LCXA	High Quality Coax Plug		
69058	Plastic Y Splitter		
69159	7mm Clips BLACK		
69160	7mm Clips BROWN		
69161	7mm Clips WHITE		
69156	13mm Clips BLACK		
69156W	13mm Clips WHITE		

DCH253M2
18V SDS 3 Mode Rotary Hammer Kit

Includes x2 Batteries

SHOCKS™- Active Vibration Control significantly reduces vibration and increases user comfort and productivity, A Perform and Protect Feature 1.7 ft-lbs impact energy provides corded power without the cord

Code	Trade	Offer
DCH253M2		

RG6 64 Strand Foam Filled 100m Satellite Cable

Copperbraid & ally foil

Code		Trade	Offer
69203	Black		
69203A	White		
69203BR	Brown		

RG6 64 Strand Foam Filled 250m Satellite Cable

Copperbraid & ally foil

Code		Trade	Offer
27615R	Black		
27615W	White		
27615BR	Brown		

27638R
5x PF100 Coax Cable
with copper braid, copper shield and foam dielectic

Each cable: 1mm solid copper conductor
Each cable: 8 x .12mm bare copper braid
Foam dielectric, Copper foil shielding, PVC Sheath
Diameter 23mm, Attenuation @ 1MHz = 2.77dB, 75 Ohm

Code	Trade	Offer
27638R		

PF100 CAI Approved Cable

Ideal for installations where the cablemust be durable. 64 strands of bare copper as opposed to 4 with other brands.

Code		Trade	Offer
27760R	Black 100m		
27760W	White 100m		
27760B	Brown 100m		
27761R	Black 250m		
27761W	White 250m		
27661B	Brown 250m		

RG6 64 Strand Satellite Cable

Aluminium braid & aluminium foil
75 Impedance
64 strand aluminium braid
Conductor: 1x1 1.0mm
Screen: tape and braid
Outer Diameter - 6.5mm

Order Code		Trade	Offer
27600AL	100m Black		
27600ALW	100m White		
27615AL	250m Black		
27615ALW	250m White		

TWIN Satellite Cable 100m Drums

IDEAL FOR SKY+ APPLICATIONS

Twin 100m Satellite Cable for Sky+ Applications

Order Code		Trade	Offer
27645R	100m Black		
19097R	F Plug		
69151	White Clip, x100		
69152	Black Clip, x100		

27616F / 27616FW
Black / White RG6 Coax Cable 125m

1mm solid copper conductor — **Overall diameter 6.4mm**
64 x .12mm bare copper braid — **Aluminium foil shielding**

Order Code	Description	Trade	Offer
27616F	BLACK 125m RG6 Shotgun		
27616FW	WHITE 125m RG6 Shotgun		

27643R
Compact Shotgun Coax Cable

0.65mm bare copper conductor — **Black & White PVC Sheath**
96 x .12mm tinned copper braid — **Overall diameter 9.6mm x 4.8mm**

Order Code	Description	Trade	Offer
27643R	Black/White 100m Shotgun		
27644R	Black/White 250m Shotgun		

Blake UK Lashing / Repair Kit and Chimney Bracket (Pressed)

1 x pressed chimney bracket (NOT INC IN 69050 Kit)
1x small lashing wire , 2x 1.5" U bolts,
3x corner plates, 1x J bolt

Order Code		Trade	Offer
69048	FULL Kit		
69050	REPAIR Kit		
69037	Pressed Bracket		

Blake UK Straight/Cranked Masts

The straight and cranked masts are 3'-5'-6' lengths of tubing and will be shorter than the stated height when cranked.

Size	Guage	Metal	CODE	Trade	Offer
10' x 1.5"	16	ALU	69006		
10' x 1.5"	18	STEEL	69007		
6' x 1.25"	18	ALU	69015		
6' x 1.25"		STEEL	69000		
6' x 1.25 CRANK"	18	ALU	69016		
6' x 1"	18	ALU	69004		
6' x 1"	20	STEEL	69005		
5' x 1"	18	ALU	69003		
5' x 1" CRANK	18	ALU	69002		
3' x 1" CRANK	18	ALU	69001		
3' x 1" L-MAST	18	ALU	69067		

Blake UK Cradle Brackets

69042A - 8" (Painted)
69042AG - 8" (Galvanised)
69042 - 13" (Painted)
69042G - 13" (Galvanised)
CB8/G- 18" (Galvanised)

Order Code		Trade	Offer
69042A	8" (Painted)		
69042AG	8" (Galvanised)		
69042	13" (Painted)		
69042G	13" (Galvanised)		
CB8G	18" (Galvanised)		
69031	V Bolt 1.5 inch		
69032	V Bolt 2 inch		

Blake UK Wall Brackets, PAINTED

WB20 - 6" x 6" (painted)
WB21 - 6" x 9" (painted)
WB22 - 9" x 9" (painted)
WB23 - 12" x 12" (painted)
WB24 - 12" x 18" (painted)

Order Code	Description	Trade	Offer
WB20	6" x 6" (painted)		
WB21	6" x 9" (painted)		
WB22	9" x 9" (painted)		
WB23	12" x 12" (painted)		
WB24	12" x 18" (painted)		

Blake UK Wall Brackets, GALVANISED

WB20 - 6" x 6" (galvanised)
WB21 - 6" x 9" (galvanised)
WB22 - 9" x 9" ((galvanised)
WB23 - 12" x 12" (galvanised)
WB24 - 12" x 18" (galvanised)

Order Code	Description	Trade	Offer
WB20G	6" x 6" (galvanized)		
WB21G	6" x 9" (galvanized)		
WB22G	9" x 9" (galvanized)		
WB23G	12" x 12" (galvanized)		
WB24G	12" x 18" (galvanized)		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

New Range of Tools & Accessories

Please visit our website for specs & images

Code	Description	Offer
ATK01	Compression Termination Kit	
ATR001	Krone Tool	
ATR047	16oz Fibre Glass Claw Hammer	
ATR108	8" Adjustable Wrench	
ATR109	LAN Cable Tester	
ATR1013	Reversible Ratchet Offset Wrench 10mm & 13mm	
ATR10	10mm Reversible Gear Wrench	
ATR13	13mm Reversible Gear Wrench	
ATR15	15mm Reversible Gear Wrench	
ATR184	Heavy Duty Coax Cutter	
ATR206	Coax Cable Cutter with Safe Guard	
ATR221	Utility Knife Zinc	
ATR224E	F Connector Insertion Tool	
ATR322	3 Blade Rotary Cable Stripper	
ATR332	2 Blade Rotary Cable Stripper	
ATR6213/8	Quick Release Ratchet Wrench	
ATR503	3/8 75mm Extension	
ATR506	3/8 150mm Extension	
ATR510D	3/8 Deep Socket 10mm	
ATR513D	3/8 Deep Socket 13mm	
ATR515D	3/8 Deep Socket 15mm	
ATR510S	3/8 Standard Socket 10mm	
ATR513S	3/8 Standard Socket 13mm	
ATR515S	3/8 Standard Socket 15mm	
ATR568	RJ11/RJ12/RJ45 Ratchet Crimp tool inc Stripper & Cutter	
ATR08	Replacement Blades for ATR568	
ATR611	Quality Side Cutter	
ATR612	Quality Long Nose Plier	
ATR615	Quality Linemans Plier	
ATR42	Philips Screwdriver	
ATR04B	Slotted Screwdriver	

Antiference

RX Series Wideband Aerials

Unique Trumatch impedance matched dipole
Tuned reflector
Lightweight, durable construction
4G/LTE Ready 21 -60

Order Code	Trade	Offer
RX12TP	12 Element	
RX20TP	20 Element	

TCX Series Wideband Aerials

High Performance XG Dipole
Trumatch Balun for better reception
TCX10EW - 10 Element, TCX18EW - 18 Element

Order Code	Trade	Offer
TCX10EW		
TCX18EW		

XG Series High Gain Wideband

New improved 4 bar reflector
Impedence matched balun
XG10EW - 10 Element, XG5WB - 5 Element

Order Code	Trade	Offer
XG5WB		
XG10EW		
XG10EWF F type		

LP20F 'Mini' UHF Log Periodic

F-Connector for ease of fitting
Medium gain, flat response across the full wideband
Highly directional with narrow acceptance angle
Ideal for wideband Freeview

Order Code	Trade	Offer
LP20F	Mini Log	
LP28F	Log	

DAB2301/4 DAB and DAB/FM

DAB2301 omni-directional for primary reception areas
DAB2304 is a directional aerial for fringe areas
FMDAB is an FM/DAB Combi Aerial

Order Code	Trade	Offer
DAB2301	Omni-Dir	
DAB2304	Dir	
FMDAB	FM/DAB	

OUTLET PLATES

Order Code	Description	Trade	Offer
SW700	Single Screened Coaxial IEC		
SW730	Single Screened F-Connector		
SW735	Double Outlet (Satellite x 2)		
SW710UV	Diplexed VHF/TV DC pass UHF		
SW710US	Diplexed Screened TV/SAT		
SW740	Triplexed FM/DAB/UHF/SAT		
SW750	Quad FM/DAB/UHF/SAT/SAT2		
SWRT740	Triplexed Return/Phone		
SWRT750	Quadpxd Return/Phone		

RemoteLink Distribution Amps

Mains Powered, Easy Install
Can be used for normal signal distribution or with remote eyes for remote channel changing on your Sky Digibox

Order Code	Trade	Offer
A120DLTE	2 Way RemoteLink Amp	
A240DLTE	2 In/ 4 Out RemoteLink Amp	
A260DLTE	2 In/ 6 Out RemoteLink Amp	
A280DLTE	2 In/ 8 Out RemoteLink Amp	
A2120DLTE	2 In/ 12 Out RemoteLink Amp	
A2160DLTE	2 In/ 16 Out RemoteLink Amp	

ME200BK Remote Eye for SKY

Smaller, compact Remote Eye
Compatible with Antiference Remote Link Amplifiers and SKY Digital satellite receivers
Easy to install

Order Code	Trade	Offer
ME200BK		

HDMI Matrix 2/4 Input Switches

HDMI switch allowing any of the HDMI inputs to be switched independently to any of the outs
Smart Desk or Wall Mounting
Dolby HD digital audio

Order Code	Trade	Offer
HDMI0204M	2 In/4 Out	
HDMI0404M	4 In/4 Out	

MS Series Masthead Splitters

MS02 - 2 Way Masthead Splitter F Connector
MS03 - 3 Way Masthead Splitter F Connector
MS04 - 4 Way Masthead Splitter F Connector
MS06 - 6 Way Masthead Splitter F Connector
MS08 - 8 Way Masthead Splitter F Connector

Order Code	Trade	Offer
MS02	2 Way	
MS03	3 Way	
MS04	4 Way	
MS06	6 Way	
MS08	8 Way	

MHK Series Masthead Amplifiers Complete with PSU

	In's	Out's	Freq Rng	Gain	Noise max	Max out	Power
MHK1	1	1	470-790MHz	1-20dB	>2.5dB	102dB	40mA
MHK2	1	2	470-790MHz	1-20dB	>2.5dB	94dB	40mA
MHK4	1	4	470-790MHz	1-20dB	>2.5dB	94dB	40mA
MHK6	1	6	470-790MHz	1-20dB	>2.5dB	94dB	40mA
MHK8	1	8	470-790MHz	1-20dB	>2.5dB	94dB	40mA

Order Code	Trade	Offer
MHK1	1 Way	
MHK2	2 Way	
MHK4	4 Way	
MHK6	6 Way	
MHK8	8 Way	
P1200	PSU	

DA Series DA Amps

2 Input UHF-VHF, 2 / 4 / 6 / 8 Outputs
10dB fixed gain
Bi Directional compatible with ME200 remote eye
Compatible with Sky Receivers

Order Code	Trade	Offer
DA220	2 Way	
DA240	4 Way	
DA260	6 Way	
DA280	8 Way	

Masthead Variable Gain Amp Kit

Variable gain control
UXFR1 (1-25dB)
UXFR2/4/5 (1-20dB)
F-Connections
Fully Screened
"12v ON" LED indicator

Order Code	Trade	Offer
UXFR1	1 Way	
UXFR2/20	2 Way	
UXFR4/20	4 Way	
UXFR5/20	5 Way	

Masthead Combiner / Splitters

A choice of F-Connectors or saddle & clamp fittings
Fully screened on UCF2000 and UCF3000
Can be used in reverse to combine 2 aerials or sources from the same frequency

Order Code	Trade	Offer
UCF2000	2 Way / F Con	
UCF3000	3 Way / F Con	
UCF4000	4 Way / F Con	

AS Series Indoor Splitters

	Range	Insertion loss	Return Loss
AS02	5-2400MHz	<6dB	<8dB
AS03	5-2400MHz	<11dB	<8dB
AS04	5-2400MHz	<11.5dB	<8dB
AS06	5-2400MHz	<16dB	<8dB
AS08	5-2400MHz	<17dB	<8dB

Order Code	Trade	Offer
AS02	2 Way	
AS03	3 Way	
AS04	4 Way	
AS06	6 Way	
AS08	8 Way	

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

NEW TO HBL!
4G Filters
NOW IN STOCK!

F4GC
In-line 4G filter with coax connections and plastic body

F4GF
In-line 4G filter with F connections and die cast metal

F4GO
4G filter with weatherproof housing for outside use, ideal for masthead mounting

The UK Digital Switchover was planned to clear frequencies for future technologies between Ch63 - 68. But in 2008 the standard for 4th Generation Long Term Evolution (4G LTE800) devices was agreed which used Ch61 and 62. This has created a very tight space for these new technologies and a higher risk of interference.

Fact: Ofcom estimate that almost 10% of homes (2.4Million) will be affected by interference to their DTT reception because they are close to a mobile mast carrying 4G and are either:
Receiving DTT on Ch59 or 60 and getting adjacent channel interference (approx 37%)
Or they have a UHF amplifier (or 5-wire multi-switch) in their TV system (approx 63%)

Fact: To prevent interference from 4G LTE800 transmitters: You need a filter with a sharp cross-over from the pass-band to the stop-band
You need a filter with VERY high rejection across the whole 4G LTE800 frequency range

Labgear 4G filters have been specifically designed to meet the above requirements. They pass signals in the 462-782MHz range and reject signals across 791-862MHz range with an average rejection level of -55dB.

Code		Trade	Offer
F4GC	Coax		
F4GF	F Conn		
F4GO	Masthead		
F4GA	Approved		

Labgear MOD111
UHF Mini RF Moulator

Loop through
LED digital display
RF output level control
Displayed channel selection, Channels 21 to 69

Code	Trade	Offer
MOD111		

Labgear

HDMi Splitters — HDMI 2 way, 4 way and 8 way Splitters

Supports: Dual stream 1080p 3D receivers and displays
Full 1080p HD, IR switching
36bit Deep Colour (RGB/YCbCr) & xvYCC color space

3D compatible splitters allowing the transmission of HDM CAT6 full HD 1080p signals with cable lengths up to 20m to input and up to 15m from output without signal loss. Precision engineered metal housing

Order Code	Trade	Offer
HDM2SP2	2 Way	
HDM4SP2	4 Way	
HDM8SP2	8 Way	

HDMCAT6 HDMi Extenders

For transmission of full HD 1080p signals over twin CAT5E or CAT6 cables as far as 50m
Transmitter 1 HDMI to 2x RJ45 sockets,
Receiver 2x RJ45 to 1 HDMI display output

Order Code	Trade	Offer
HDMCAT6S	1 Cable	
HDMCAT6	2 Cable	

LABGT12 Digital Wideband Aerial

Gain : 12dBi
F connection
Easy Assembly
Compact design

Order Code	Trade	Offer
LABGT12		

LABLPC 20 Element Log Periodic

8dBi Gain, Front/Back ratio 20dB
Very discrete only 40cm long
Ideal for Home, Caravan, Motorhome, Boat etc
No assembly. Inc with F connector and weather boot

Order Code	Trade	Offer
LABLPC		

LABGEAR Omni directional DAB antenna

Band 174-240MHz. 1 element, electronic 75Ohm balun. F-type connection and 360° acceptance angle.
Bandwidth: 174-240MHz · Electronic 75Ω Balun
Connection: F Type · 1 Element

Order Code	Trade	Offer
LABDABO		

LMC UHF/VHF Combiner / Splitters

4G / LTE READY

2 WAY or 4 WAY UNITS AVAILABLE
5-1000 MHz
3.7dB insertion loss, 75Ω impedance
Power passes on both directions

Order Code	Trade	Offer
LMCS102	2 Way	
LMCS104	4 Way	

WB0S 2/4 Way Outdoor Splitters

WBOS2F 2 Way / WBOS4F 4 Way Splitters
Frequency 5 – 2400Mhz
Mast or Screw Fitting, F Connections
Ideal for Outdoor Installation

Order Code	Trade	Offer
WB0S2F	2 Way	
WB0S4F	4 Way	

KIT Masthead Amp / PSU Kits

Masthead Amp and PSU Kits

4G / LTE READY

1 Input, 1 Out UHF Amps (470-862MHz) (KIT 125V)
Gain 16dB Typical, NF 1.5dB typical (2dB max) (KIT 415V)

Order Code	Trade	Offer
KIT125V	1 Way/PSU	
KIT415V	4 Way/PSU	

27866R Terrestrial Digital Meter

TV Signal Strength Finder, Digital & Analogue
Plug in lead from aerial into the Antenna socket
Built in amplifier compensates insertion loss
Pocket size and lightweight

Order Code	Trade	Offer
27866R		

LDU Home Distribution Units

4G / LTE READY

These Home Distribution Units have evolved to incorporate all the features that are required. Each version has the capability to combine satellite; FM, DAB, UHF and CCTV on to a single drop cable, with the addition of the facility for SKY+.

Order Code	Trade	Offer
LDU604G	4 Way	
LDU608G	8 Way	

LMA Variable Gain Masthead Amps

4G / LTE READY

Variable gain can be adjusted from in-doors
Industry leading Noise figure performance
Filtered -470 Mhz to remove out of band interference
PUH141 the 4 way can be powered from any leg

Order Code	Trade	Offer
LMA125V	1 Way	
LMA415V	4 Way	
PSUF	PSU	

LDL 2 / 4 Way Digital Amplifiers

4G / LTE READY

Powered either from a satellite receiver's RF2 9VDC output supply or a separate 12VDC PSU
Powers all IR receivers 9V 15mA per outlet max
Can be used with MRX120 distribution systems

Order Code	Trade	Offer
LDL102R	2 Way	
LDL104R	4 Way	

LABLINK iO-LINK

The LABLINK iO-LINK creates a tvLINK enabled RF output for new SkyHD set top boxes with no RF2 output. Once installed the iO-LINK can be connected to an in-home distribution system for viewing at multiple TV locations.

Order Code	Trade	Offer
LABLINK		

MRX955 Compact Remote Eye

New Compact remote eye
Ideal for LCD, Plasma TVs, Includes adhesive pad
Compatible with all satellite receivers
with 9V RF2 output

Order Code	Trade	Offer
MRX955		

RECEIVERS
AERIAL & SATELLITE

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Global IO LINK
ADD RF2 to your SKY Mini Box

The iO-LINK creates a tvLINK enabled RF output for new SkyHD set top boxes with no RF2 output. Once installed the iO-LINK can be connected to a in home distribution system for viewing at multiple TV locations. For the control from distributed TV's a tvLINK (F101248) would need to be plugged inline at each TV point.

Code		Trade	Offer
IOLINK			

SKY DIGITAL
TV REMOTE CONTROLS

Code		Trade	Offer
REM2963	SKY remote		
SKY+RC	SKY+ remote		
SKYHDRC	SKY HD remote		
SKYTV	SKY HD 1TB REV9		

Digi-Dish Packages
44cm Dish and LNB Packs

Freq: 10.5 - 12.75 GHz
Minimum gain
10.70 GHz: 32.3dBi
12.75 GHz: 33.7dBi
Measured beamwidth
10.70 GHz: 3.7°
12.75 GHz: 3.2°

Code		Trade	Offer
124007	44cm Digi-Dish		
124004	44cm Dish / QUAD		
124006	44cm Dish / OCTO		
124028	60cm dish /quad		

SKY LNB's

A full range of LNB's designed for use with Sky Digi Dishes, totally weatherproof sealed, to withstand all types of outdoor conditions, are available

Code		Trade	Offer
SKYLNB			
SKYQUAD			
SKYOCTO			

Goodmans GDB20

NEW

Goodmans Smart Talk Freeview Digital Set Top Box with Talking Feature

Talking 7 day electronic programme guide
Talking on-screen help and menus
State-of-the-art speech technology
One-touch Audio Description and subtitles
2 x Scart Sockets

Order Code	Trade	Offer
GDB20		

Humax HB-1000S
Freesat Receiver with <free time>

NEW

Freesat+ with <free time>
EPG
8 Days Forward 7 Days Backward
Recording With Additional Plug in HDD

Order Code	Trade	Offer
HB1000S		

T2300
IceCrypt FreeView HD Box

Digital FREEVIEW HD Receiver
Free HD channels from BBC, ITV & channel 4
Up to 50 Digital TV channels & 24 radio stations
USB Port for File Playback (MP3, JPEG, XViD)

Order Code	Description	Trade	Offer
T2300	IceCrypt FreeView HD Box		

Icecrypt S1600CHD
Linux Based Satellite box

- Embedded Conax Card Reader
- Up to 8,000 Channels Supported (TV & Radio)
- Small size - Mount on the back
- of a TV (IR Sensor required - available separately)
- Two High Speed USB Ports (Side and Rear)
- MP3 Playback from USB Device

Order Code	Trade	Offer
S1600CHD		

HDSR260 Labgear
Free-to-Air USB PVR

Ideal for receiving HD free to air / foreign channels from a satellite dish
Can record received channels to external drive connected to the USB 2.0
DVB-S2 Receiver, SD and HD DVB-S2/S compliant
Supports Full HD 1080p on media playback

Order Code	Description	Trade	Offer
HDSR260	FTA USB PVR		

Manhattan Plaza UPM
Standard Definition Satellite Box

USB PVR Ready
One Multicrypt card reader
UHF RF Modulator CH21-69
Picture in Picture and Scart socket

Order Code	Trade	Offer
UPM		

Manhattan Plaza XT.CM
Standard Definition Satellite Box

One Common Interface CI
One Multicrypt card reader
UHF RF Modulator CH21-69
Two scart sockets

Order Code	Trade	Offer
XTCM		

Manhattan Plaza HDS2
HD Digital FreeSat Receiver

Subscription Free TV in HD, 150+channels
8-Day on-screen Programme Guide
On Demand TV with BBC iPlayer & ITV Player
Auto scan of non-freesat channels
Resolutions: 576i, 576p, 720p, 1080i, 1080p

Order Code	Trade	Offer
HDS2		

HDRS HD Freesat+ Recorder

320GB Hard Disk records up to 200 hours, Whisper quiet, ultra-compact fan-less design
8-day Programme Guide with Series Link
Record two channels at the same time
Pause & rewind live TV

Order Code	Trade	Offer
HDRS		

HDR-FOX T2-500GB
Freeview HD T2 PVR 500GB

1080p Upscaling. Twin Tuner Freeview+HD Terrestrial PVR.
500Gb HDD allowing you to record 300 hours SD / 125 hours HD.
Record 2 channels while playing back a recording.
HDMI output (1080p, 1080i, 720p, 576p, 576i)

Order Code	Description	Trade	Offer
T2-500GB	FreeView T2 PVR 500GB		

SLINGBOX
WATCH TV ANYWHERE

Watch your TV on your Smartphone or Tablet. REALLY!

Extend your living room TV experience to your smartphone or tablet with SlingPlayer Mobile software. With a Slingbox at home and SlingPlayer Mobile on your compatible mobile device, enjoy live or recorded TV over a 3G, 4G or Wi-Fi connection. If you like TV, it's hard not to smile when you take control of your TV and DVR from your smartphone or tablet.

It's your TV. Don't let it be trapped in your living room. Set it free!

Order Code	Description	Trade	Offer
SLINGBOX	SD Sling Box		

HDR1000S
Humax Freetime+ PVR

Freesat HD+ 1TB PVR, 500GB Model also available
Free Time Roll Backwards EPG,
SD Channels Upscaling
500hrs SD or 250hrs HD Recording (1TB)

Order Code	Description	Trade	Offer
HDR1000S	Humax Freetime+ PVR 1TB		
HDR1000S/500	Humax Freetime+ PVR 500GB		

PrimaSat / SRT6205/SRT7002
Digital Satellite Boxes

For digital Free-To-Air TV and Radio programmes
UHF Modulator to connect to TV with coaxial cable and/or to loop through terrestrial antenna signals
Unmodulated PRIMASAT
Modulated SRT6205

Order Code	Description	Trade	Offer
PRIMASAT	Unmodulated		
SRT6205	Modulated		
SRT7002	HD Satellite Box		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

CLEARANCE
CCTV AND PA EQUIPMENT

PA EQUIPMENT CLEARANCE

ONLY WHILE STOCKS LAST

CCTV AND SECURITY CLEARANCE

code	Description	Qty	Was	Now
LXAPOPRODC-8-1TB	APOLLO PRO DC LX 8 CHANNEL 1TB DVR	1		
DNF450	DENON 1U USB & SD CARD AUDIO RECORDER	1		
STSK001LB	CONTACTA SPECH TRANSFER SYSTEM IN BLACK	1		
PMD620	MARANTZ SD CARD PORTABLE RECORDER	3		
SEWS180RWSF-A	SAPPHIRE 1.8M 16:9 ELECTRIC SCREEN	1		
268-545-000	VAN DAMME SPEAKER CABLE 2x4.00MM	1		
268-502-000	VAN DAMME SHOTGUN AUDIO CABLE (100M)	1		
268-032-020	VAN DAMME PRO-PATCH CABLE RED (100M)	1		
268-019-060	VAN DAMME PRO-PATCH CABLE BLUE (100M)	1		
268-005-000	VAN DAMME PRO-PATCH CABLE BLACK (100M)	1		
PG24UK/PG58	SHURE HANDHELD MICROPHONE SYSTEM	1		
LXZEUS-8-2TB	ZEUS LX 8 CHANNEL 2TB DVR	2		
OT4240	INTER-M TRANSFORMER UNIT FOR QD4240	1		
SEWS200RV-A/REP	PROJECTER SCREEN (NO PLUG)	2		
170.935	CITRONIC STEREO COMPRESSOR LIMITER	2		
TU100	PULSE AM/FM TUNER –RACK MOUNTABLE	9		
268-006-000	VAN DAMME PRO PATCH CABLE 100M	10		
C3SE	CLOCK AUDIO IVORY SUSPENSION MIC	4		
MULTICAN	AUS 4 CHANNEL HEADPHONE AMP	4		
1680018	COMPACT AMPLIFIER WITH MIC INPUT	1		
STUDIO50AB	WORK ACTIVE 2 x 40W SPEAKERS (BLACK) PAIR	5		
CASEL02M100	COVERT CAMERA CABLE 100M DRUM	5		
1680018/REP	COMPACT AMPLIFIER (EX RETURNS)	1		
SW-VA0201	DATABAY 2 IN 1 OUT VGA SWITCHER INC AUDIO	1		
MBWT3	TOA RACK KIT FOR 1 RCVR	4		
MIC-K	DYNAMIC MIC OMNI DIRECTIONAL	4		
AC1392	20M NEUTRIK SPEAKON TO M-XLR PLUG	11		
AV13297	SPEAKON DOUBLE WALL OUTLET	12		
AD601BLACK	APOLLO 3.6MM INTERNAL DOME CAM	2		
EVQ1000	TWIN OUTPUT HIGH RES CAMERA (No Lens)	4		
RC30	30W 8 OHM MUSIC POWER SPEAKER (PAIR)	29		
LABS114	LABGEAR 3.5-8.0MM VIDEO DRIVE	8		
LAB2380	LABGEAR 420TVL FULL BODIED CAM	15		
AD804	4 CHANNEL PASSIVE VIDEO BALUN	3		
SPIDEREX	CCTV SPIDER REPELLANT	167		
70585RE	PHILEX 20M CAT5 PATCH CABLE	467		
101.300	IN EAR HEAD PHONES	1		
LABPL4	LABGEAR 4 WAY POWER SPLITTER	370		
CL38	2 PHONO PLGS-2 PHONO PLGS 1.2M	10		
19012R	6.3MM ST JACK TO 3.5MM ST SKT	165		

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50 YEARS OF EXCELLENCE

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Wharfedale
DENON
TRANTEC
SENNHEISER
Cloud
TASCAM
audio-technica
JBL
TOA
YAMAHA
HBCCTV
HIKVISION
QVIS

A2000 Series Amplifiers

100v Line Amplifiers

MIC 1: 600 OHM Balanced 5P Din Socket
MIC 2, 3: 600 OHM Balanced Phone Jack
AUX 1, 2: 10K OHM Unbalanced
RCA Pin Jack
Paging Mute On Channel 1

Code		Trade	Offer
A2030	30W		
A2060	60W		
A2120	120W		
A2240	240W		

A1700 Series Amplifiers 100V Line Amplifiers

6 balanced mic inputs using XLR / Jack combination sockets
3 auxiliary inputs
Mic inputs 5 & 6 can switch to aux. inputs
+18V phantom power, selectable mic input

Code		Trade	Offer
A1706	60W		
A1712	120W		
A1724	240W		

PC648R Ceiling Speaker

Rated Input: 6 W (100 V line), 3 W (70 V line)
Frequency Response: 100 - 18,000 Hz
Dimensions: f168 x 77 (D) mm

Code	Trade	Offer
PC648R		

PA Equipment

Sales **01253 607830**
Tech **01253 607859**
Fax **01253 607831**
Web **www.hblitherland.co.uk**
Email **sales@hblitherland.co.uk**

MARCH 2014

All products available with 1 YEAR WARRANTY

TOA

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Toa VM2000 Management System Amplifiers

120w & 240w Options

5 Zone expandable to 45 zones with a total maximum wattage of 2160 watts

3 Line Level Inputs, 2 BGM Inputs

Bass, Treble and volume control for each input

Paging Console to be able to page individual zones or groups of zones

Interfaces with telephone systems

8 Pre-programmable messages able to used (EV-200m required)

External Speaker line input

Code	Trade	Offer
VM2120		
VM2240		

Toa BS301 Satellite Speaker System

Power: Continuous program: 160W x 2 channels
Continuous pink noise: 80W x 2 channels
Rated Impedance: 4O x 2 channels
Sensitivity: 81dB (1W, 1m) x 2 channels
Frequency Response: 40 - 20,000Hz x 2 channels
Weight: 13.9kg (excluding mounting bracket)
Subwoofer, Speaker component: 16cm cone-type x 2 channels / Finish: Front panel; ABS resin, Enclosure; Wood, Speaker bracket; steel plate Dimensions: 210 (W) x 390 (H) x 563 (D)mm / Weight: 11.5kg (ex bracket)
Satellite Speaker: Speaker component: 8cm cone-type / Finish: Enclosure, Front panel; HIPS resin, Speaker bracket; steel plate Dimensions: 92 (W) x 97.5 (H) x 100 (D)mm / Weight: 600g (excluding mounting bracket)

Code	Trade	Offer
BS301		

A2000 Series Amplifiers 100v Line Amplifiers

MIC 1: 600 OHM Balanced 5P Din Socket
MIC 2, 3: 600 OHM Balanced Phone Jack
AUX 1, 2: 10K OHM Unbalanced RCA Pin Jack
Paging Mute On Channel 1

Order Code	Trade	Offer
A2030	30W	
A2060	60W	
A2120	120W	
A2240	240W	

PM660, PM660D & PM660U Paging mics

Desk-top type dynamic mic with cardioid polar pattern
Short-off press-to-talk switch with locking lever
Talk switch Push to talk type
Remote switch Leaf spring contact

Order Code	Trade	Offer
PM660		
PM660D		
PM660U		

A1700 Series Amplifiers 100V Line Amplifiers

6 balanced mic inputs using XLR / Jack combination sockets
3 auxiliary inputs
Mic inputs 5 & 6 can switch to aux. inputs
+18V phantom power, selectable mic input

Order Code	Trade	Offer
A1706	60W	
A1712	120W	
A1724	240W	

AT063P, AT303P & AT603P Volume Controls

5 step attenuation (0dB, -6dB, -12dB, -18dB, OFF)
Push in connector allows quick terminal cable connection
Two or more attenuators can be bridged
Includes YS11A Surface Mounting Box

Order Code	Trade	Offer
AT063P	6W	
AT303P	30W	
AT603P	60W	

WT5810 Receiver

16 selectable channel frequencies
Auto mixing input function
Microphone sensitivity adjustment function
Balanced output and phone jack output

Code	Trade	Offer
WT5810		

WT5800 Receiver

Four 16-channel banks of circuit frequencies
True diversity technology
Auto mixing input function
Microphone sensitivity adjustment

Code	Trade	Offer
WT5800		

WM5225 / WM5265 Handheld Mics

Operating range: 3m - 120m
Electret condenser cardiod mic WM5225
Single AA battery operation WM5225
Dynamic mic: Unidirectional WM5265
LR6 (AA) or WB-2000 (Ni-MH) WM5265

WM5225
WM5265

WM5325 Belt Pack Only

Single AA battery operation
Connector for 3.5 mini-plugs
WM400H Headset Microphone
YP-M5310 Lapel Microphone

WM5325
WH4000H
YP-M5310

BS678B, BS678BT, BS678W & BS678WT Cabinet Speakers

Rated Input: 6W (100V line), 3W (70V line)
Speaker Component: 6" (16cm) double cone-type
Connection: Push-in connector (bridging terminal)

Order Code	Trade	Offer
BS678B		
BS678BT		
BS678W		
BS678WT		

BS1030B & BS1030W Cabinet Speakers

Rated Input: 30W Impedance: 8
100V line: 330 (30W), 500 (20W), 670 (15W), 1k (10W), 2k (5W)
Freq Response: 80 - 20,000Hz

Order Code	Trade	Offer
BS1030B		
BS1030W		

PC648R Ceiling Speaker

Rated Input: 6 W (100 V line), 3 W (70 V line)
Frequency Response: 100 - 18,000 Hz
Dimensions: f168 x 77 (D) mm
Weight: 470 g (1.04 lb)

Order Code	Trade	Offer
PC648R		

SC Series Horns

IP code IP65
Frequency response 315 - 12,500Hz (SC610); 280 - 12,500Hz (SC615); 250 - 10,000Hz (SC630)

Order Code	Trade	Offer
SC610	10W 8 Ohm	
SC615	15W 8 Ohm	
SC630	30W 8 Ohm	
SC610M	10W 100V	
SC615M	15W 100V	
SC630M	30W 100V	

CS304 Projection Speaker

Power Handling: 30W
Tappings (100V): 10, 20, 30W
Connectors: Cable
IP Rating: 64

Order Code	Trade	Offer
CS304		

PC1869S & PC1867FC Ceiling Speakers

Rated Input 6W
Continuous Program 9W
Tappings 100V 6W/3W
Tappings 70V 3W/1.5W

Order Code	Trade	Offer
PC1867FC		
PC1869S		

All products available with 1 YEAR WARRANTY

TRANTEC

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

TRANTEC
Optional Microphone Accessories for Wireless Systems

SJ55	**Lavalier Mic**
SJ66	**Head Mic**
EM77	**Earworn Mic**
S4.16RK	**Rack Kit**

TRANTEC
Racked 'n' Ready S5 Series

Meet the new Racked'n'Ready S5 Series. These unique, compact, turnkey packages follow on from the great success of the S4.16 Racked'n'Ready. Benefitting from all the advantages of the Trantec S5 range, you can run up to 12 simultaneous channels at a price you will find hard to match.

Up to 12 simultaneous channels of true diversity operation

USB based computer monitoring

Simple programming of transmitters via Infra-red

Credit card size beltpack transmitters

Single AA transmitter battery life of over 10 hours

Professional metal enclosures on both transmitters and receivers

19" professional flight case with built-in antennae distribution and power supply as standard

Assembled packages include: 4, 6, 8 or 12 x 5.3 receivers

4, 6, 8 or 12 x 5.3 transmitters in any combination of handheld or beltpack

Antenna distribution unit

Power supply

Rack mounting kits

2 x antennae

19" professional flight case

Code	Trade	Offer
S5.3CUBE		
S5.3-4WAY		
S5.3-6WAY		
S5.3-8WAY		
S5.3-12WAY		

S4.4LM & S4.4MD
Trantec S4.4 UHF Mic System

S4.4RX RECEIVER	S4.4LTX TRANSMITTER	S4.4MTX TRANSMITTER
742-744, 863-865Mhz	4 Channel capability	4 Channel Capability
4 Channel Capability	Controls: Frequency select,	Controls: Frequency select
1/4" mono jack, +16 dBu via	On/Off switch	and On/Off switch
balanced XLR 3F	Lapel/Instrument select,	Operating voltage
	Gain adjust	9v @ <50mA

Order Code	Description	Trade	Offer
S4.4LM	LAPEL Mic System		
S4.4MD	HANDHELD Mic System		

S4.16LM, S4.16MD, S4.16WHM
Trantec S4.16 UHF Mic System

S4.16RX-EA RECEIVER	S4.16LTX-EA TRANSMITTER	S4.16HTX-EA TRANSMITTER
854-865MHz (EA)	16 Channel capability	16 Channel Capability
16 Channel Capability	Controls: Frequency select,	Frequency select
1/4" mono jack, +16 dBu	On/Off switch	and On/Off switch
via balanced XLR 3F	Lapel/Instrument select,	Operating voltage 9v @
	Gain adjust	<50mA

Order Code	Description	Trade	Offer
S4.16LM	LAPEL Mic System		
S4.16MD	HANDHELD Mic System		
S4.16WHM	HEADSET Mic System		

S4.16RX2 Dual series systems

THE TRANTEC S4.16RX2 RECEIVER	THE TRANTEC S4.16RX2 HANDHELD TRANSMITTER	THE TRANTEC S4.16RX2 BODY PACK
16 selectable frequencies per Channel	6 selectable frequencies	16 selectable frequencies
2 Channels receiver	Dynamic Capsule	Fully synthesised PLL quartz tuning technology
Frequency Range : 606-614MHz (Channel 38)	Fully synthesised PLL quartz tuning technology	Detachable antenna
Up to 8 simultaneous channels	Detachable antenna	Locking 3.5mm jack
	Single 9V transmitter battery life of approx. 10 hours	Integral switch for selection between instrument and microphone

Order Code	Trade	Offer
S4.16RX2HH		
S4.16RX2HL		
S4.16RX2LL		

Trantec S4.16 Racked'n'Ready System

Whether you opt for a 4, 6 or 8 channel Racked'n'Ready system, these unique, compact, turnkey packages will be ideal for your hire stock, and appeal to schools, amateur dramatics, churches, and audio-visual applications.

16 selectable frequencies including 4 licence free Channel 70 (UK)

Up to 8 simultaneous channels

Available with handheld, lavalier or instrument cable

Diversity operation with detachable antennae

Single 9V transmitter battery life of approx 10 hours

4, 6 or 8 x S4.16 receivers

4, 6 or 8 x S4.16 transmitters in any combination of beltpack (includes LP2 lapel microphone) or handheld

Antenna Distribution Unit, Power Supply

Rack Mounting Trays, 2 x Antennae

19" Professional Flight Case

Order Code	Trade	Offer
S4.16L-G3-RACK-4W		
S4.16L-G3-RACK-6W		
S4.16L-G3-RACK-8W		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

NEC M260W

2500ANSI Lumen Wide-XGA Projector

WXGA (1280x800 pixels)
Picture-in-picture, auto-setup
Up to 6000 hours lamp
HDMI, USB and VGA inputs

Code	Trade	Offer
M260W		

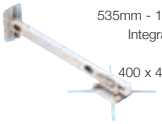
SAPPHIRE PROFESSIONAL PROJECTOR CEILING MOUNT

SAPUM1500
Universal Projector Mount with 1200mm Pole

Smart white powder coating finish.
3 year warranty
Can also be used for close fitting to the ceiling with no drop bar
The distance from the top plate to the top of the projector is 1345mm without the attachment for sloping ceilings or 1400mm with this.

Code	Trade	Offer
SAPUM1500 Projector Mount		

Universal Short Throw Projector Mount



535mm - 1350mm Throw Distance
Integrated cable management and spirit level
400 x 400mm max fixing points

Code	Trade	Offer
1150030 Mount		

Video Splitters, 2 or 4 Port Units

Compact design with all metal casing
Additional units can be daisy chained
Max resolution: 1920x1440

Code	Trade	Offer
1770079 2 Port		
1770080 4 Port		

HBL are proud to introduce the new TriStar Range

TriStar HERE TO STAY

Electric Projector Screens from HBL

TriStar Electric Screens 4:3 or 16:9 / 1.8m - 2.4m

Electric Screens with standard wireless remote

Light weight construction

Ships fully assembled and ready to Plug & Play

Durable and easy to clean

0.38mm thick

1.8m, 2.0m & 2.4m sizes

Code	Description	Trade	Offer
HB1.8M43	1.8M Electric Screen 4:3 Ratio		
HB2.0M43	2M Electric Screen 4:3 Ratio		
HB2.4M43	2.4M Electric Screen 4:3 Ratio		
HB1.8M169	1.8M Electric Screen 16:9 Ratio		
HB2.0M169	2M Electric Screen 16:9 Ratio		
HB2.4M169	2.4M Electric Screen 16:9 Ratio		

TRISTAR HBPL410

500 Lumen WXGA LED Projector

Display Panel: 1 : 0.45"
Brightness (Ansi Lumens): 500
Native Resolution: WXGA (1280:800) Contrast Ratio: 1000:1
Input: VGA x 1, Video x 1,Audio in(mini jack),
HDMI x 1, USB-A x 1, SD-Card x 1 & S-Video
PC Compatibility: VGA, SVGA, XGA, SXGA & Mac

Code	Trade	Offer
HBPL410		

Sapphire 3 to 4m Electric RF Screens

RF Controlled
Includes Remote
Includes Wall Box
Wall or Ceiling Mounted
Electric

Code	Description	Trade	Offer
SEWS300BWSF-A	3m 16:9		
SEWS350BWSF-A	3.5m 16:9		
SEWS400BWSF-A	4.0m 16:9		

***£32 carriage for 3m above screens due to weight* FOR UK - Scottish Islands Please call**

Sapphire 1.8 to 2.4m Recessed Screens

IR or RF Switchable
Includes Remote (IR Version)
Includes Wall Box
In- Ceiling Mounted
Electric

Code	Description	Trade	Offer
SECS180BWSF-A	1.8m 16:9		
SECS200BWSF-A	2.0M 16:9		
SECS240BWSF-A	2.4m 16:9		

Hitachi CPX2520

2700 Lumen XGA Projector

Contrast ratio: 500:1
Hybrid Filter: 4000 hour cleaning cycle
Lamp life: 4000 hours (Eco Mode)

Code	Throw Ratio	Trade	Offer
CPX2520	1.5 - 1.8:1		

NEC M230X

2300 Lumen Projector

XGA
Resolutions: (1024 x 768 pixels)
Up to 3500 hours lamp life in eco-mode
3 year de-install/re-install warranty

Code	Throw Ratio	Trade	Offer
M230X	1.3 - 2.2:1		

NEC M271W

2700 Lumen Projectors

WXGA
Resolutions: (1280x800 pixels)
Up to 6000 hours lamp life in eco-mode
3 year de-install/re-install warranty

Code	Throw Ratio	Trade	Offer
M271W	1.3 - 2.2:1		

All products available with a minimum 1 YEAR WARRANTY

Optoma

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

ML300

300 Lumens WXGA Projector

LED

Resolution: 1280 x 800
Contrast: 3000:1
Noise Level: 29DB
Mini HDMI, VGA, Micro SD Card & USB-A

Code	Throw Ratio	Trade	Offer
ML300	1.5:1		

ML550

500 Lumen WXGA Projector

LED

Resolution: 1280 x 800
Contrast 10,000:1
Noise Level: 30DB
HDMI, VGA, Micro SD Card & USB-A

Code	Throw Ratio	Trade	Offer
ML550	1.5:1		

ML500

WXGA LED Projector

Resolution: 1280 x 800
Contrast: 3000:1
Noise Level: 29dB (ECO mode)
Connectors: Inputs: PC/Video:
HDMI connector (Audio)

Code	Trade	Offer
ML500		

DS211

2500 Lumen SVGA Projector

Resolution: 800 x 600
Contrast: 3500:1
Noise Level: 28/30dB (ECO/BRIGHT mode)
PC/Video (15 Pin D-Sub), S-Video & Composite

Code	Throw Ratio	Trade	Offer
DS211	1.95 - 2.15:1		

S303

3000 Lumen SVGA Projector

Full 3D

Resolution: 800 x 600
Contrast: 4500:1
Noise Level: 28/30dB (ECO/BRIGHT mode)
PC/Video (15 Pin D-Sub), HDMI, S-Video & Composite

Code	Throw Ratio	Trade	Offer
S303	1.97-2.17:1		

X302

3000 Lumen XGA Projector

3D Ready

Resolution: 1024 x 768
Contrast: 15,000:1
Noise Level: 26dB
PC/Video (15 Pin D-Sub), S-Video, Composite & Component

Code	Throw Ratio	Trade	Offer
X302	1.97-2.17:1		

X303

3000 Lumen XGA Projector

Full 3D

Resolution: XGA 1024 x 768
Contrast: 15,000:1
Noise Level: 26dB (min)
PC/Video (15 Pin D-Sub), HDMI, S-Video, Composite & Component

Code	Throw Ratio	Trade	Offer
X303	1.97 - 2.17:1		

W290

2800 Lumen WXGA Projector

3D Ready

Resolution: 1280 x 800
Contrast: 13,000:1
Noise Level: 28dB
PC/Video (15 Pin D-Sub), HDMI, S-Video, Composite & Component

Code	Throw Ratio	Trade	Offer
W290	1.55 - 1.7:1		

W301

3000 Lumen WXGA Projector

Full 3D

Native Resolution: 1280 x 800
Contrast: 1500:1
Noise Level: 28dB
PC/Video: 15 Pin D-sub (RGB/YPbPr/SCART), S-Video, Audio in / out

Code	Throw Ratio	Trade	Offer
W301	1.47 - 1.83:1		

DH1011

Full HD 1080p - 3000 Lumens Projector

Resolution: 1080P 1920 x 1080
Contrast: 13,000:1, Noise Level: 26DB
PC/Video (15 Pin D-Sub), 2 x HDMI via 1.4a 3D, S-Video, Composite & Component

Bright 1080p Projection - High resolution for stunning images
16W Stereo audio with SRS WOW HD audio processing
Extensive High Definition digital connectivity - HDMI

Utilising the latest DLP technology, the DH1011 delivers exceptional crystal-clear Full HD native resolution and immersive 3D visuals. Producing a stunningly bright image with perfectly balanced vivid colour, crystal clarity and exceptional light and shade detail only possible with a high contrast projector. The DH1011 is perfect for projecting a broad range of applications including technical, advertising media and medical uses where detail matters. Installed or on the move using the included carry bag, the versatile DH1011 has a powerful on-board 16W stereo speaker, HDMI connectivity and energy saving features including ECO mode and auto power off saving you both time and money for hassle-free, long-lasting projection.

Full 3D 1080p

srs WOW HD

Code	Throw Ratio	Trade	Offer
DH1011	1.5 - 1.8:1, Offset - 116%		

All products available with a minimum 1 YEAR WARRANTY

HARMAN

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

DBX DRIVERACKPX Loudspeaker Management System

Loudspeaker Management System

Dual 28-band Graphic EQ
Classic dbx Compressor
Auto-EQ with 28-band RTA
2 Ch XLR Input/6 Channel XARA Output
Front RTA-M XARA input w/phantom power

Code	Trade	Offer
DRIVERACKPX		

DBX DRIVERACKPA+ Loudspeaker Management System

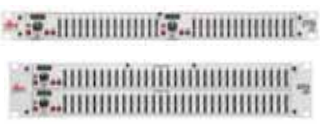
Loudspeaker Management System

Auto EQ Wizard with 28-Band RTA
USB Firmware and Speaker Tunings Field
2-Ch XARA Input and 6-Ch XARA Output
2x3, 2x4, 2x5, 2x6 Crossover Configs
Stereo Output Limiters

Code	Trade	Offer
DRIVERACKPA+		

DBX DBX215S 2-Series Graphic Equalizer

DBX DBX231S Dual Channel 31-Band G EQ



Two 15-band, 2/3-octave bands (DBX215S)
Two 31-band, 1/3-octave bands (DBX231S)
Switchable boost/cut ranges ±6 or ±12 dB
±12 dB input gain range
XARA and TRS Inputs and Outputs

Code	Trade	Offer
DBX215S		
DBX231S		

DMS70
2.4Ghz Digital System

2.4 GHZ

Receiver	Handheld	Beltpack	Lapel Mic
4 channel Receiver Digital Diversity 2.4Ghz Automatic frequency selection 30m Range	Digital Diversity 2.4Ghz Automatic frequency selection Dynamic capsule	2.4Ghz Mini XLR mic connection 2 x AA Alkaline batteries 6 hours battery life	Mini XLR connection Cardioid capsule Sensitivity: 8.8mV/Pa

Code	Description	Trade	Offer
DSR70QR	Quad Receiver		
DHT70D5	Dynamic H/Held		
DPT70	Belt Pack		
CK99	Lapel Mic		

AKG WMS40
Mini Radio Microphone

CHANNEL 70 READY

The **WMS40 Mini Single Vocal Set** package includes:
1 x SR40 Mini Receiver
1 x HT40 Mini Handheld transmitter
1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery

The **WMS40 Mini Dual Vocal Set** package includes:
1 x SR40 Dual Mini Receiver
2 x HT40 Mini Handheld transmitter
1 x Universal power supply with US/UK/EU adapter, 2 x AA size battery

Code	Trade	Offer
WMS40MINI-SINGLEVOCAL		
WMS40MINI-DUALVOCAL		

WMS470
Wireless Mic Systems

CHANNEL 38 READY

Receiver	Handheld	Beltpack
32 channel Channel 38 Space diversity 100m radio range	32 Channel Channel 38 Dynamic capsule 1 x AA Alkaline Battery	32 channel Channel 38 Mini XLR mic connection 1 x AA Alkaline Battery

Code	Description	Trade	Offer
WMS470D5	H/Held System		
WMS470PRESENTER	Lapel System(Inc Headset)		

CROWN XLi Series
Amplifiers

Electronically balanced RCA & XLR inputs; binding post and Speakon outputs

Protection against shorts, no-load, on/off thumps and radio-frequency interference

	XLi800	XLi1500	XLi2500	XLi3500
4-ohm Dual (per ch.)	300W	450W	750W	1350W
8-ohm Dual (per ch.)	200W	330W	500W	1000W

Order Code	Trade	Offer
XLi800		
XLi1500		
XLi2500		
XLi3500		

CROWN XLS Series
Digital Class D Amplifiers

Integrated PureBand Crossover System
Peakx Limiters provide maximum output while protecting your speakers

XLS1000: 215W @ 8 , 350W @ 4
XLS1500: 300W @ 8 , 525W @ 4
XLS2000: 375W @ 8 , 650W @ 4
XLS2500: 440W @ 8 , 775W @ 4

Order Code	Trade	Offer
XLS1000 350W		
XLS1500 525W		
XLS2000 650W		
XLS2500 775W		

EVOSON Ceiling Speakers

LS-IC603T
LS-IC603T-B

6" Ceiling speaker
6 / 3 / 1.5W @ 100v
Ceiling Cut Out: 200mm
Freq Response: 110-18,000Hz

Order Code	Description	Trade	Offer
LS-IC603T	WHITE 6" 6W 100V Speaker		
LS-IC601T	WHITE 6" 30W 100V Speaker		
LS-IC801T	WHITE 8" 40W 100V Speaker		

LS-IC601T
LS-IC601T-B

6" Ceiling speaker
30 / 15 / 7.5W @ 100v
Ceiling Cut Out: 200mm
Freq Response : 90-20,000Hz

Order Code	Description	Trade	Offer
LS-IC603T-B	BLACK 6" 6W 100V Speaker		
LS-IC601T-B	BLACK 6" 30W 100V Speaker		
LS-IC801T-B	BLACK 8" 40W 100V Speaker		

LS-IC801T
LS-IC801T-B

8" Ceiling speaker
40 / 20 / 10W @ 100v
Ceiling Cut Out: 240mm
Freq Response: 60-20,000Hz

All products available with a minimum 1 YEAR WARRANTY

HARMAN

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

SOUNDCRAFT
EPM SERIES MIXER

Frame size: 8+2
XLR-type and 1/4" metal jack connector sockets
2-band EQ on stereo inputs
3-band EQ with a swept mid on mono inputs

Code	Trade	Offer
RW5735UK		

SOUNDCRAFT
EPM SERIES MIXER

Frame size: 12+2
XLR-type and 1/4" metal jack connector sockets
2-band EQ on stereo inputs
3-band EQ with a swept mid on mono inputs

Code	Trade	Offer
RW5736		

CONTROL SB-2
STEREO INPUT DUAL COIL SUBWOOFER

170W x2 at 8 Ohm
250 mm (10 in) dual voice coil
Stereo inputs with high-pass outputs for satellite speakers
Ideal for use with Control1,23,25,28

Code	Trade	Offer
CONTROLSB2		

Control 24
Ceiling Speakers

Power Handling 30W Max	Power Handling 40W Max
Frequency Response 80Hz - 20kHz	Frequency Response 80Hz - 20kHz
Impedance 8 or 100V line	Impedance 16 or 100V
Tappings (100V) 8, 4, 2, 1W	Tappings (100V) 30, 15, 7.5W (100V)

Low distortion and a smooth, natural frequency response make the Control 24's ideal for medium volume business music systems as well as for the medium to low SPL segments of larger or louder systems.

Code	Trade	Offer
CONTROL24CMICRO	(8 Ohm) - Single	
CONTROL24CTMICRO	(100V) - Single	
CONTROL24C	(8 Ohm) - Single	
CONTROL24CT	(100V) - Single	

Control 26CT
Ceiling Speakers

75 Hz to 20 kHz frequency range (-10 dB)
140 watts continuous program power capacity
16 ohms nominal impedance
100V taps: 60W, 30W, 15W.

The Control 26CT is a powerhouse ceiling speaker containing a coaxially mounted 6.5" woofer and 3/4" titanium-coated tweeter, able to deliver maximum sound level over a wide coverage area.

The Control 26CT includes a multitap transformer for a 70V or 100V line distribution system.

Code	Trade	Offer
CONTROL26CT		

JBL8124 / JBL8128
6W @ 100V In-Ceiling Speakers

Component: 4 in (100 mm), Full-range Driver
Frequency Range: 60 Hz - 18 kHz
Dimensions (Diameter x Depth): 206mm x 89mm

Component: 8 in (200 mm), Full-range Driver
Frequency Range: 50 Hz - 16 kHz
Dimensions (Diameter x Depth): 287mm x 105mm

Order Code	Trade	Offer
JBL8124		
JBL8128		

Control 65
High Power Pendant

Coaxial design featuring 130 mm woofer and 20 mm soft-dome tweeter.
Frequency Range (±3 dB)1: 78 Hz - 18 kHz
Power Capacity2: 75 Watts Continuous
Nominal Coverage Angle3: 120 (+20 /-10)
Rated Impedance: 8 ohms
Transformer Taps: 100V: 60W, 30W, 15W

Order Code	Trade	Offer
CONTROL65PT		

JBL Control
Loudspeakers

JBL Control 1 Extreme
2-Way Pro Compact Loudspeakers
Freq Range: (-10 dB) 80 Hz to 20 kHz
Power Capacity: 50 W
Nominal Impedance: 4 ohms
Overload Protection

Control 1PRO
Loudspeakers
80 Watts
Recommended Range: 10W - 80W RMS
Impedance: 8 Ohms
Frequency Response: 80Hz - 20kHz

Control 23
Cabinet Speakers
Frequency Range: 85 Hz to 22 kHz (-10 dB)
Power Capacity: 50 W Continuous
Directivity Index (DI): 6.8 dB
Nominal Impedance: 8 ohms

Control 25
Cabinet Speakers
Frequency range 80Hz - 16kHz (-10dB)
Power capacity 150 Watts Continuous Program
Nominal impedance 8 Ohm
Tappings (25T) 7.5 / 15 / 30W

Control 28
Cabinet Speakers
Frequency range 60Hz - 16kHz (-10dB)
Power capacity 175W (8 Ohm), 60W (100V)
Nominal impedance 8 Ohm
Tappings (28T) 15 / 30 / 60W

Order Code	Trade	Offer
CONTROL1XTRBii	BLACK, PAIR	
CONTROL1XTRSii*	SILVER, PAIR	
CONTROL1PROWH	WHITE, PAIR	
CONTROL1PROBK	BLACK, PAIR	
CONTROL23	BLACK, PAIR	
CONTROL23-WH	WHITE, PAIR	
CONTROL25	BLACK, PAIR	

Order Code	Trade	Offer
CONTROL25-WH	WHITE, PAIR	
CONTROL25T	BLACK 100V, PAIR	
CONTROL25T-WH	WHITE 100V, PAIR	
CONTROL28	BLACK, PAIR	
CONTROL28-WH	WHITE, PAIR	
CONTROL28T	BLACK 100V, PAIR	
CONTROL28T-WH	WHITE 100V, PAIR	

All products available with 5 YEAR WARRANTY

SigNET

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

INDUCTION LOOP CABLE

CODE	CONDUCTOR	CROSS SECTION	
COLOUR	LENGTH	TRADE	OFFER
010003W	32/0.20mm	1.0mm	
White	100m		
010003B	32/0.20mm	1.0mm	
Black	100m		
010003BR	32/0.20mm	1.0mm	
Brown	100m		
010005W	50/0.25mm	2.5mm	
White	100m		
010005B	50/0.25mm	2.5mm	
Black	100m		

HIGH QUALITY INSTALL CABLE

INSTALLATION / WARNING and COPPER FOIL TAPE

INSTALLATION / WARNING TAPE

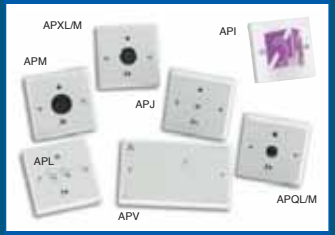
(0.004") wide, colour white, printed with a warning text and deaf logo in ruby red. This tape is designed to fix the copper foil tape to the floor.

AMPETRONIC COPPER FOIL TAPE

Standard flat copper foil cable supplied by Ampetronic is 18mm (0.71") wide x 0.1mm (0.004") thick and is sealed in a 25 micron clear film insulation.

Code	Trade	Offer
PWT		
FC1.8		

SIGNET OUTREACH PLATES



Code		Trade	Offer
APJ	3.5mm Jack Mono Mic / Line Level		
APL	Twin Phono Line Level Plate		
APQM	6.35mm St Jack Mic / Line Level		
APXM	XLR Mic / Line Level Plate		
APXL	XLR Line Level Plate		
API	AFILS Active Indicator Light		
APM	Wall Mount / Ceiling Omni Mic		
APV	12V 250mA Two Gang Plate PSU		

Signet PDA Series
Professional Induction Loop Amplifiers

Ideal for theatres, cinemas, churches, halls

2 XLR 3 pin input sockets - 1 balanced mic. and 1 switchable balanced mic./line

"Outreach" input allows the connection of up to 10 additional mic. or line level inputs

200/2 = 200m2

500/2 = 500m2

1000/2 = 900m2

Order Code	Trade	Offer
PDA200/2		
PDA500/2		
PDA1000/2		
PDA/RM		
PDA/WM		
TEAR		

PL1/K1
Portable Induction Loop Kit, 1.2m²

Ready for use. Free-standing lightweight design

Generates a loop listening field of approx. 1.2m2,

Limited horizontal throw of loop field helps maintain privacy in appís where confidentiality is essential (i.e. banks, meeting rooms, police stations, etc)

Order Code	Trade	Offer
PL1/K1		

ML1/K
Counter Induction Loop Kit 1.2m²

Extremely cost-effective

Generates a loop listening field of approx 1.2m² depends on loop position

Double-gang wall-mounting ML1 fits standard UK 25mm back box and is ideal for mounting under desks, counters or table tops

Order Code	Trade	Offer
ML1/K		

PDA102
Mini Loop System 49m²

Ideal for ticket counters, desktops, TV lounges, etc

Provides max. sq room coverage of 49m2 (7m x 7m)

Kitted "counter loop" version provides approximately 1.2m2 coverage

Order Code		Trade	Offer
PDA102C	(inc. Counter Cable)		
PDA102L	(inc. AMT Tie / Mic)		
PDA102S	(inc. SCART Lead)		
PDA102R	(inc APM Plate Mic)		

PDA200E
Induction Loop Amp 120m²

Ideal for electrical contractors

No audio connectors

Wall mounted for permanent installation

Internal controls to avoid user tampering

Provides up to 120m2 coverage

100v to line Convertor (LEST)

Order Code	Trade	Offer
PDA200E		
LEST		

DL50/K
Domestic Loop Amp Kit 49m²

Two line Level Inputs (for TV, Radio etc)

Two microphone inputs

One ëalertí input (for doorbells, burglar alarms, etc)

Simple to adjust mix, level and tone controls

Power on, input peak and signal present indicators

Order Code	Trade	Offer
DL50/K		

RXTI
Induction Loop System Tester

The RXti has been designed to allow installers, and the non hard of hearing to test and assess the quality and audibility of the loop system.

Order Code	Trade	Offer
RXTI		

FPROK
Fosmeter Pro Induction Loop Tester Kit

FPROK Fosmeter Pro induction loop tester kit is designed to simplify the setup of an induction loop system and ensure its compliance with the latest version of BS EN 60118-4 (Magnetic field strength in audio frequency induction loops for Hearing Aid purposes).

Order Code	Trade	Offer
FOSMETER		

Ampetronic ILD500
Induction Loop Driver

Area coverage to >700m2

Low lifetime cost

Excellent proven reliability

5 year warranty

Unparalleled sound quality

Order Code	Trade	Offer
ILD500		

Current Thinking Modulator/Radiator

Max.coverage area approx.100 m²

Modulation wideband FM

AF input 3 pin XLR

RF output 3.5mm mono jack

IRMTX750S - Slave Unit

Order Code	Trade	Offer
IRMTX750		
IRMTX750-S		

Current Thinking Compact Receiver

30 Hours life from two AAA batteries

High frequency modulation,

free from lighting interference

Inbuilt neck loop complies with EN60118-4

IRRXSR - Snap Release Version

Order Code	Trade	Offer
IRRX		
IRRXSR		

All products available with **2 YEAR WARRANTY**

DENON marantz PROFESSIONAL

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

NEW

Denon DN500AV
Professional Network Audio Player

XLR 7.1ch Pre output
6-HDMI inputs and 1 output
Supports WMA, MP3, WAV, MPEG-4 AAC, FLAC, JPEG files
RS-232c serial / IP controllable
IR controllable with included IR remote control

Code	Trade	Offer
DN500AV		

Denon DN700H
Pofessional Network Audio Player

Stream network audio (P, NAS) via DLNA
AM/FM, Access 20,000+ Internet radio stations
WMA, MP3, WAV, MPEG-4 AAC, FLAC
RS232c serial controllable

DENON 2 YEAR GUARANTEE

Code	Trade	Offer
DN700H		

Denon DN-F300
Solid State Audio Player

Media playback mediums include both
SD/SDHC cards (up to 32 GB) and USB
±16% pitch control; Tempo adjust
Master level control, Removable rack ears

Code	Trade	Offer
DNF300		

DN-A100P
2x 70W Integrated Amplifier

- 70w per channel (4ohms)
- 2 speaker circuits with A/B switching
- 5 line inputs - RCA/ Cinch
- Phono input (mm)

Order Code	Trade	Offer
DNA100P	2x 70W Integrated Amplifier	

DN-A300P
2x 100W Integrated Amplifier

- 100w per channel (4ohms)
- 2 speaker circuits with A/B switching
- 5 line inputs – RCA/ Cinch
- Microphone Mixing

Order Code	Trade	Offer
DNA300P	2x 100W Integrated Amplifier	

DN-C110P
Single Disc CD Player

- MP3/WMA file playback
- Optical Digital Output
- Program Playback
- Random Playback

Order Code	Trade	Offer
DNC110P		

DN500C
Professional CD / iPod Player

- CD and WAV, MP3 playback
- Retractable front iPod Dock
- Pitch control (CD) function
- Automatic BPM counter and display

Order Code	Trade	Offer
DN500C		

DN-U100P
AM-FM Stereo Tuner

- FM & AM band tuner
- RDS (radio data system)
- Auto & Manual tuning
- Last Function Memory

Order Code	Trade	Offer
DNU100P		

DN-C620
Rack Mount Pro CD Player

- Supports CD-DA, WAVE,MPEG-1/2 Layer III
- +/- 12% Pitch Control
- Cue to Music (with dedicated button)
- Balanced Audio Output (XLR)

Order Code	Trade	Offer
DNC620		

DN-D4500
Pro Dual CD/MP3 Player

DENON DJ

- Key Adjust/Master Tempo: (CD or MP3)
- Auto BPM Counter (CD or MP3)
- Cue Stutter (CD or MP3)
- 24-bit DA converter

Order Code	Trade	Offer
DND4500		

DN-X500
Professional DJ Mixer

DENON DJ

- 8 Line / 2 Phono Switchable
- 4 Smooth 60mm VCA Channel Faders
- Independent 3-Band EQ Kill, EQ On/Off Switch
- Compact 4U Rack Space

Order Code	Trade	Offer
DNX500		

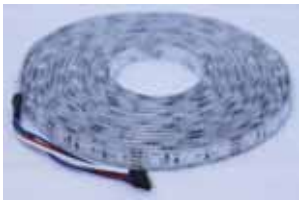
All products available with 1 YEAR WARRANTY

Neo-NeoN™

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Neo LED Tape



High quality LEDs
Full RGB colour options
Flexible IP65 Light body
5m Tape
Easy Connection

Code	Trade	Offer
RGBTAPEKIT-5M		

Neo Flash Range

Power input: AC90-264V 50Hz/60Hz
Max power: 180W
Light source: 396PCS 5050 7000K LED (NEOFLASH150) 396x5050 RGB 6pins LED (NEOFLASH150RGB)
Function: DMX, Auto, sound control, Master/Slave
DMX channel: 5 (NEOFLASH150) 13 (NEOFLASH150RGB)

Code	Trade	Offer
NEOFLASH150		
NEOFLASH150RGB		

Neo Pro Blinders

Power supply AC90-264V 50Hz/60Hz
Max Power 230W
Light source 2 x 100W 3000K LED (NEOPULSE200) 6 x CLL030 50W 3000K LED (NEOPULSE400)
Function DMX, Auto, Sound Control, Master/Slave
DMX channel 2/5 Selectable (NEOPULSE200) 6/9 Selectable (NEOPULSE400)

Code	Trade	Offer
NEOPULSE200		
NEOPULSE400		

Neo Slim Par

Power supply: AC 90~240V
Power: 25W
Light source: 16 PCS x 1W RGBW
Function: Auto Sound control
Master/Slave
DMX channel: 9

Order Code	Trade	Offer
SLIMPAR4C-SRGB		

Neo Slim Par

Power supply: AC 90~240V
Power: 48W
Light source: 24 PCS 3 in
1 self-produced LED
Function: Auto Sound control
Master/Slave, Power supply with switch
DMX channel: 8

Order Code	Trade	Offer
SLIMPARTR-SRGB		

Neo Pro Arc

Light Source: 288 3in1 RGB SMD 5050
DMX Channel Mode: 8 / 23 DMX
Channel Mode Selectable
6-Way Independent Cell Control
Working Mode: DMX, MASTER-SLAVE, MANUAL
Pre-programmed Macro programmes

Order Code	Trade	Offer
MODULARARC288		

Neo Pro Line Series

Light Source: 144 3in1 RGB SMD 5050 (144)
DMX Channel Mode: 8 / 14 DMX Channel Mode Selectable (144)
3-Way Independent Cell Control (144)
Working Mode: DMX, MANUAL, AUDIO, MASTER-SLAVE (144)
Light Source: 288 3in1 RGB SMD 5050 (288)
DMX Channel Mode: 8 / 23 DMX Channel Mode Selectable (288)
6-Way Independent Cell Control (288)
Working Mode: DMX, MANUAL, AUDIO, MASTER-SLAVE (288)

Order Code	Trade	Offer
MODULARLINE144		
MODULARLINE288		

Neo DJ Lighting

Power input: 90-264VAC 50Hz/60Hz
Light source: 3W Edison 3in1 LED
Power: 30W
Function: DMX, Auto, Sound active, Master/Slave, Memory
DMX channel 26

Order Code	Trade	Offer
DERBY7CA		

Neo DJ Lighting

Light Source: 1W LEDs
LED Quantity: 36 pcs
Operation Modes: DMX, Master/Slave, Auto, Sound
DMX Channels: 11
Connection: DMX in/out, power cord in

Order Code	Trade	Offer
SSDL3201-RGB		

Neo DJ Lighting

Light Source: 10W RGBW Quad CREE
LED Quantity: 9 pcs
Operation Modes: DMX, Master/Slave, Auto, Sound
DMX Channels: 12
Connection: DMX in/out, power cord in

Order Code	Trade	Offer
SRM6114		

Fog Machine

Heater: 450W
Warm-up time: 4~5 mins
Volume: 1800 cu.ft/min
Tank: 1 L
Standard Remote: Standard or Timer remote available

Codes		Trade	Offer
Z-150	Hazer		
FL-105	5L Fluid		

LED Batterns

Light source: 126pcsX□0 LED (R42,G42,B42) (RGBLEDBAR500)
Control modes: DMX, Auto, Sound, Master slave (RGBLEDBAR500)
DMX channels: 11 (RGBLEDBAR500)
LIGHT SOURCE: 10mm * 64*RGBA (RGBLEDBAR1000)
FUNCTION: DMX, AUTO, Sound, Master-Slave (RGBLEDBAR1000)
DMX CHANNEL: 6 (RGBLEDBAR1000)

Codes		Trade	Offer
RGBLEDBAR500	.5m		
RGBLEDBAR1000	1.0m		

Neo Party Bar

Power supply: AC100V-240V
Power: 30W
Light source:324 □0mm RGB (108*R 108*G 108*B)
Function: Footswitch, DMX, AUTO, Manual, Sound, Master-Slave
DMX channel 15

Order Code	Trade	Offer
PARTYBARV2		

All products available with 1 YEAR WARRANTY

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

TITAN 12D ACTIVE SPEAKER TECH TIP!

For a simple voice or music PA System you can plug a microphone (wired or wireless) into a TITAN12D, with a music source (CD/iPhone etc) then daisy chain to another TITAN12D... and another... and another

WHARFEDALE PRO EVPR15 Single Loudspeaker

Power rating: 350W

8 ohm

Sensitivity: 98db

90x60 Elliptical Wave Guide Horn

Protective Grilles

HF Driver Protection Circuit

Code	Trade	Offer
EVPR15		

WHARFEDALE PRO DIVA8 2-Way Coaxial

15W, 30W, 60W @ 100V
160W - 8 ohm
SENSITIVITY: 90 dB
FREQUENCY RESPONSE
+/- 3DB: 60Hz-20kHz

Code	Trade	Offer
DIVA8		

Titan Series Active & Passive Loudspeakers

TITAN12 ACTIVE
12" 2 Way Active Loudspeaker
250W (RMS)
Built-in 2 ch Mixer (Mic/Line)
35mm Stand Mount

2-Way Bi-Amplified
Titanium Diaphragm HF Compression Driver
Qubit 24-Bit 192kHz DSP Processing

TITAN15 ACTIVE
15" 2 Way Active Loudspeaker
420W (RMS)
Built-in 2 ch Mixer (Mic/Line)
35mm Stand Mount

Combo XLR / Jack Balanced
Rear Panel Mic / Line Switch
Rear Panel Horn LED Defeat Switch

Order Code	Description	Trade	Offer
TITAN12D*	12", ACTIVE		
TITAN15D	15", ACTIVE		

Order Code	Description	Trade	Offer
TITAN8BLACK	8", SINGLE, BLACK		
TITAN8WHITE	8", SINGLE, WHITE		
TITAN12	12", SINGLE, BLACK		
TITAN12WHITE	12", SINGLE, WHITE		
TITAN15BLACK	15", SINGLE		

TITAN8BLACK & TITAN8WHITE
8" 2 Way Passive Loudspeaker
8 ohm 180W RMS (300W Program)
Connection: 1/4" Jack & Speakon
35mm Stand mount

TITAN15
15" 2 Way Passive Loudspeaker
8 ohm 400W RMS (800W Program)
Connection: 1/4" Jack & Speakon
35mm Stand Mount

TITAN12 & TITAN12WHITE
12" 2 Way Passive Loudspeaker
8 ohm 300W RMS (500W Program)
Connection: 1/4" Jack & Speakon
35mm Stand mount

Programme Series

Connection: Barrier strip
Bare terminals (P30D)
Speakon (P206)
Drivers: P30D - 5", P105 - 5", P108 - 8"
P205 - 5"x2 & P206 - 6.5"x2
Sensitivity: P30D - 86db
P105 - 89db, P108 - 90db
P205 - 91db & P206 - 93db

Order Code	Trade	Offer
P30D	50W	
P105B / W	80W	
P108B	150W	
P205B	100W	
P206B	150W	

Stands and Bag / Bracket

SPSK300KIT
Pair of SPSK300BK aluminium speaker stands, provided with a practical nylon 210D carrying bag. Master pack of 1 set.

BS5
Max. Load: 40kg
Spigot: 35mm ∈

Order Code	Trade	Offer
SPSK300KIT	2x Stands & Bag	
BS5	35mm Spigot	

FORCE12

NEW

The FORCE 12 features built-in digital FX processing, removing the need for additional expensive and often cumbersome processors. The included graphic EQ can be used to tame feedback issues and allows fine tuning of the overall mix. A mode switch allows the on board amplification to be used to power either stereo front of house loudspeakers or a mono front of house and mono fold back monitor system.

Power Rating: 500w per channel @ 4 Ohms
Mic Inputs: 8
Stereo Inputs: 4
Returns: 2
Effects: Yes

Order Code	Trade	Offer
FORCE12		

DELTA Series Loudspeakers

2-Way

10", 12" & 15" Available

CONTINUOUS RMS: 300W (10")

CONTINUOUS RMS: 400W (12")

CONTINUOUS RMS: 500W (15")

IMPEDANCE: 8 Ohm (10",12" & 15")

FREQUENCY RESPONSE:
65-20KHz (10"), 60-20KHz (12"), 50-20KHz (15")

Order Code	Trade	Offer
DELTA10		
DELTA12		
DELTA15		

CONNECT Series Mixers

CONNECT802
2 Mic, 2 Line
True 48V Phantom Power

CONNECT802USB
2 Mic, 2 Line
True 48V Phantom Power, USB Input

The Connect Series from Wharfedale Pro are high quality micro-mixers that are suitable for a wide range of applications. The Connect 802 & USB features an intuitive, ergonomically designed user interface that is excellent for beginners and professionals alike. Comprehensive connectivity ensures that a Connect 802 & USB will fit into any situation you need.

LEVEL METERS: Dual 4-Segment LED
CLIP INDICATOR: Turns on at approx +16dBu
FREQUENCY RESPONSE: 20Hz-20kHz ±1dB

Order Code	Trade	Offer
CONNECT802		
CONNECT802USB		

All products available
with 1 YEAR WARRANTY

TEAC®

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

NEW

Network CD Receiver with AirPlay and DAB

40 W + 40 W (6 O, 1 kHz, 0,5 % THD)
Functions: CD, iPod/USB, Tuner, Network, AUX1, AUX2, Phono
Apple AirPlay and DLNA Compatible
IPod /iPhone /iPad Digital Audio Connection via USB Cable
AM/FM/Internet-Radio Stereo RDS Tuner
W x H x D: 290x113x340mm Weight: 5.6kg

Code	Trade	Offer
CRH700DAB		

Teac T-R650DAB

DAB / AM / FM Stereo Tuner

DAB/AM/FM Stereo Tuner
Analogue Audio Output: x 1
Digital Audio Output: x 1 (Optical)
Timer-on (Daily, Once)

Code	Trade	Offer
TR650DAB		

Teac LPR550USB

USB Turntable

CD Recorder with CD tray, Copy records to CD
Record from internal Cassette Deck
Record from internal Tuner
Analog Audio Input, Audio Output
Phones jack, USB Input

Code	Trade	Offer
LPR550USB		

Teac AG-790

100W x2 Stereo Receiver Amplifier

100W+100W RMS Output Power
8ohms
30FM and 30AM Station Presets
A/ B Speaker Selection

Order Code	Trade	Offer
AG790		

Teac A-R650

90W + 90W
Stereo Amplifier

Output Power: 90W + 90W
8 ohms
7 inputs - 5 audio, 2 video
A/B speaker selection

Order Code	Trade	Offer
AR650		

Teac CD-P650

CD Player with
USB and iPod Support

CD, CD-R/RW and MP3 Disc
USB Port for iPod Interface
Repeat (One, All, A-B), Shuffle
Record and Play MP3 Files
to/from USB Memory

Order Code	Trade	Offer
CDP650		

Teac CDP-1260

Single CD Player

Support CD, CD-R/RW and MP3 discs
8 Times Oversampling Rate
Analog Audio Out: x1
Headphone Jack: x1 (6.3mm)

Order Code	Trade	Offer
CDP1260		

Teac AD-RW900

CD Recorder,
Cassette Deck, with 2x USB

CD-A Record from Cassette, USB, Digital-In, AUX
Audio Input: x 1 (RCA), Audio Output: x 1 (RCA)
USB Port: x 2 (Type-A, Type-B)
Headphone Jack with Level Control

Order Code	Trade	Offer
ADRW900		

Teac CD-RW890

CD-R and CD-RW
Recorder

CD-R and CD-RW Recording
Program, Repeat, Shuffle Play
Audio Input: x 1, Audio Output: x 1
Headphone Jack with Level Control

Order Code	Trade	Offer
CDRW890		

Teac W890R

Twin Cassette Deck

Variable Pitch Control ±12% (Deck 1)
Dual auto-reverse tape transports
Microphone Input with Level Control
Headphone Jack with Level Control
Bi-directional Double-deck - Continuous Rec/Play

Order Code	Trade	Offer
W890R		

Teac AD-800

CD Player,
Cassette Deck, with USB

Supports CD, CD-R/RW and MP3 Disc
20-selection Random Memory Program
MP3 Recording from CD/Cassette/AUX
Headphone Jack with Level Control

Order Code	Trade	Offer
AD800		

All products available with 2 YEAR WARRANTY

YAMAHA

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

HBL TECH TIP

Whether you have a mixing applications that involves only a few channels, or up to 32 inputs with substantial signal routing versatility, Yamaha"s MG-series offers a console that will give you the capacity, control, and performance you deserve.

All models are remarkably compact and lightweight for superior handling and portability, but absolutely no compromises have been made in terms of features, performance, or durability.

The MG mixers offer an extraordinary blend of technology: some inherited from professional Yamaha mixing consoles you"re likely to see in distinguished halls throughout the world, and some developed specifically to deliver optimum performance in the MG-console format.

YAMAHA YAS-101
120W Sound Bar

Output Power: 2 x 30W + 60W Subwoofer
Inputs: 2 x Optical, 1 x Digital Coax
Output: 1 x Optical
Dimensions: 890 x 108 x 121mm (W x H x D)

Code	Trade
YAS-101	

YAMAHA MCR232
Solid State CD Player

Power Rating: 20W + 20W
Connectivity: CD, iPod Dock, USB, Radio, Bluetooth & Aux
Radio Alarm Clock Built In
Dimensions Centre Unit: 180mm x 118mm x 318mm (WxHxD)
Dimensions Speakers: 123mm x 200mm x 298mm (WxHxD)

Code	Colour	Offer
MCR-232BK	Black With Black Speakers	
MCR-232WH	Silver With Black Speakers	

MG82CX 8 Input Analogue Mixer

Mixing channels -
2 Mono + 3 Stereo
AUX - 1 (Effect send)
MAIN - Stereo
Mic inputs - 4
Line inputs -
3x Stereo, Return, 2tr in

Code	Trade	Offer
MG82CX		

P Series Power Amplifiers P2500S, P3500S, P5000S, P7000S

P7000S	8 Ohm St - 750W+750W, 4 Ohm St - 1100W+1100W, 8 Ohm Bridge	2000W
P5000S	8 Ohm St - 525W+525W, 4 Ohm St - 750W+750W, 8 Ohm Bridge	1500W
P3500S	8 Ohm St - 390W+390W, 4 Ohm St - 590W+590W, 8Ohm Bridge	1180W
P2500S	8 Ohm St - 275W+275W, 4 Ohm St - 390W+390W, 8 Ohm Bridge	780W

Order Code	Trade	Offer
P2500S	780W	
P3500S	1180W	
P5000S	1500W	
P7000S	2000W	

STAGEPAS400I 400w Portable PA System

NEW

Mixer
Mixing Channels: 8
Analogue Inputs: 4 mono mic/line + 4 mono / 2 stereo line
Digital Input: USB Audio IN: iPod/iPhone exclusive
Outputs: Speakers Out (L, R), Monitor Out (L/Mono, R), Subwoofer Out (Mono) with auto HPF
One-knob master EQ™ with virtual bass boost
Phantom power
On-board feedback suppressor

Speakers
Two-way bass reflex speakers
8" Cone
200W per speaker
35mm Top hat with stage lock
On-board feedback suppressor

Order Code	Trade	Offer
STAGEPAS400I		

MG206C 20 Input Analogue Mixer

Mixing channels -
4 Mono + 4 Stereo
AUX - 2
MAIN - Stereo
Mic inputs - 6
Line inputs -
4x Stereo, Return, 2tr in

Order Code	Trade	Offer
MG206C		

MS101MKIII Active Monitor Speaker

Speaker type -
Powered speaker
Output power - 10W
I/O Connectors - Mic: -45dB/Phone, Line 1: -10dB/RCA Pin, Line 2: -10dB/Phone

Order Code	Trade	Offer
MS101MKIII		

NS-SW300 Active Monitor Speaker

Power: 250W
Driver: 10"
Freq Response: 20-160Hz
Advance YST: Yes
Bass Action Systems: Yes

Order Code	Trade
NS-SW300	

RXV375 5.1 Ch 100W Receiver

5.1 Channel receiver amplifier - 100w per channel
3D Pass Through
4 x HDMI inputs & 1 x HDMI Output
Built in AM/FM Tuner
Dimensions: 435x151x315mm

Order Code	Trade
RXV375	

RXV475 5.1 Ch 115W Receiver

5.1 Channel receiver amplifier - 115w per channel
3D Pass Through
4 x HDMI inputs & 1 x HDMI Output
Network Port Input & Airplay, Built in AM/FM Tuner
Dimensions: 435x161x315mm

Order Code	Trade
RXV475	

RXV675 7.2 Ch 150W Receiver

7.2 Channel receiver amplifier - 150w per channel
3D Pass Through
5 x HDMI inputs (+ 1 Front) & 1 x HDMI Output
Network Port Input & Airplay, Zone 2 Output
Built in AM/FM Tuner, Dimensions: 435x171x364mm

Order Code	Trade
RXV675	

YHT399 5.1 Channel Home Theatre Package

5.1 Channel receiver amplifier
100w per channel
3D Pass Through
4 x HDMI inputs

1 x HDMI Output
Speakers: Speaker Size
2-1/2" woofer and 1/2" tweeter
Subwoofer 100w 8" Cone

Code	Trade
YHT399	

BDPK199 5.1 Channel Home Theatre Pack with Blu-Ray

5.1 Channel receiver amplifier
100w per channel
3D Pass Through
4 x HDMI inputs & 1 x HDMI Output

Speaker Size - 2-1/2" woofer and 1/2" tweeter
Subwoofer 100w 8" Cone

Code	Trade
BDPK199	

All products available with 1 YEAR WARRANTY

SENNHEISER

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

For **'Project Pricing'** please call **PA Technical**

Don't forget to order...

Distribution Accessories:

Sennheiser Antenna Distribution Unit

Splitter 2 x 1:4
RF Frequency Range 500-870mhz
Operating Voltage 13.8 V DC

Code	Trade	Offer
ASA1		

Sennheiser Power Supply For ASA1

Plug-in mains unit with country-specific adapter for antenna splitter ASA 1

Code	Trade	Offer
NT1-1		

Sennheiser Passive Directional Antenna

Passive Directional Antenna
For Transmission and Reception
Frequency Range 450-960mhz
Sold In Singles

Code	Trade	Offer
A2003U		

Evolution G3 Wireless Systems

CHANNEL 38 READY

100 Series: Enhanced freq bank management with up to 12 freq's per bank
42 MHz bandwidth / 1680 switchable frequencies

Quick-change mic head from the e 800 Series
2 AA batteries for more than 8 hours of use
Optional rack mount available model GA3

100 SERIES

Order Code	Description	Trade	Offer
EW112G3	With ME2 Omni Lapel Mic		
EW122G3	With ME4 Cardioid Lapel Mic		
EW135G3	With Cardioid Handheld Mic		
EW152G3	With Headworn Microphone		
GA3	Rack Mount kit for 100 Series		
Spare Mics for 100 SERIES System			
ME2	Omni Lapel Microphone		
ME4	Cardioid Lapel Microphone		

XSW Series
Wireless Mic Systems

SENNHEISER XSW series

Easy-to-use, all-in-one package for speakers and presenters
High speech intelligibility
Synchronization via RF remote channel
8 frequency banks with each max 12 pre-sets

Order Code	Description	Trade	Offer
XSW12	Presenter Set		
XSW35	Vocal Set (Dynamic, Cardioid)		
XSW65	Vocal Set (Condenser, Super-Cardioid)		

Sennheiser Wired Microphones
E8/9 Series

E835 /E835S
Dynamic Cardioid Mic
Isolates handling noise, hum compensating coil
On/Off switch (E835S)

Code	Trade	Offer
E835		
E835S		

E845 /E845S
Dynamic Super-Cardioid Mic
Isolates handling noise, hum compensating coil
On/Off switch (E845S)

Code	Trade	Offer
E845		
E845S		

E865 /E865S
Super-Cardioid Condenser Mic
Distortion-Free Reproduction
High handling noise rejection
On/Off switch (E865S)

Code	Trade	Offer
E865		
E865S		

E935
Dynamic Cardioid Mic
Highly Consistent Directivity
Hum Compensating Coil
Shock Mount Capsule

Code	Trade	Offer
E935		

E945
Dynamic Super-Cardioid Mic
Highly Consistent Directivity
Hum Compensating Coil
Shock Mount Capsule

Code	Trade	Offer
E945		

E965
Large Diaphragm True Condenser Mic
Highly Consistent Directivity
Hum Compensating Coil
Shock Mount Capsule

Code	Trade	Offer
E965		

Sennheiser Instrument Microphones
600 Series

E604
Dynamic Cardioid Microphone
Suitable for Toms, Snares & Percussion
Hum Compensating Coil

Order Code	Trade	Offer
E604		

E602II
Cardioid Dynamic Microphone
Suitable for Kit Drum, Bass Guitar & Tubas
Hum bucking Coil

Order Code	Trade	Offer
E602II		

E608
Dynamic Super-Cardioid Microphone
Suitable for Brass, Drums & woodwind
Hum compensating Coil

Order Code	Trade	Offer
E608		

E609
Super Cardioid Microphone
Suitable for Miking Drums & Especially Toms
Hum Compensating Coil

Order Code	Trade	Offer
E609		

E614
Super-Cardioid Electric Condenser Microphone
Suitable for woodwind, Strings & Home Recordings
Designed for high sound pressure levels

Order Code	Trade	Offer
E614		

All products available with 1 YEAR WARRANTY

APart

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Apart Column Speakers

COLS41

20W @ 100V Line – Tapping's 20 – 10 – 5
4 x 2" Full range
+ 1 x 1" Tweeter
IP Rate – IP66
Dimensions:
400 x 66 x 66mm (HxWxD)

Code	Trade	Offer
COLS41		

COLS81

30W @ 100V Line – Tapping's 30 – 15 – 6
8 x 2" Full range
+ 1 x 1" Tweeter
IP Rate – IP66
Dimensions:
613 x 66 x 66mm (HxWxD)

Code	Trade	Offer
COLS81		

COLS101

40W @ 100V Line – Tapping's 40 – 20 – 10
10 x 2" Full range
+ 1 x 1"Tweeter
IP Rate – IP66
Dimensions:
723 x 66 x 66mm (HxWxD)

Code	Trade	Offer
COLS101		

APART MASK SERIES SPEAKERS

NEW

MASK4SLV | MASK4TB | MASK6TB | MASK4TW | MASK6TW

MASK4's
20W @ 100V Line – Tapping's 10 – 5 – 2.5
50W @ 16 Ohm
Push Terminal Connections
4.2" Woofer 1" Tweeter
Dimensions:
223x129x130mm (HxWxD)

MASK6's
60W @ 100V line – Tapping's 30 – 15 – 6W
150W @ 16 Ohm
Push Terminal Connections
6.5" Woofer
1" Tweeter
Dimensions: 315x175x195mm (HxWxD)

Order Code	Trade	Offer
MASK4TB		
MASK4TW		
MASK4TSLV		
MASK6TB		
MASK6TW		

Apart Ceiling Marine Speakers

CMAR5W	CMAR6W	CMAR8W
25W RMS @ 8 Ohms	30W RMS @ 8 Ohms	50W RMS @ 8 Ohms
Freq. Response – 100Hz – 20Khz	Freq. Response – 70Hz – 20Khz	Freq. Response – 50Hz – 20Khz
Cut Out – 110mm	Cut Out – 146mm	Cut Out – 186mm
IP Rate – IP65	IP Rate - IP65	IP Rate - IP65

Order Code	Trade	Offer
CMAR5W		
CMAR6W		
CMAR8W		

Das CL Series
Ceiling Speakers

DASCL5 Freq Range (-10 dB): 70 Hz-15 kHz
Diameter: 16.6 cm Weight: 0.725 kg
DASCL6 Freq Range (-10 dB): 60 Hz-20 kHz
Cut-Out Diameter: 19.4 cm Weight: 1.19 kg
DASCL8 Freq Range (-10 dB): 50 Hz-20 kHz
Diameter: 23.8 cm Weight: 1.58 kg

Order Code	Description	Trade	Offer
DASCL5	20W 8 Ohm		
DASCL5T	6W 100V		
DASCL6	40W 8 Ohm		
DASCL6T	15W 100V		
DASCL8	60W 8 Ohm		
DASCL8T	30W 100V		

CONCEPT1
Apart 2 Channel Amplifier

Apart 2 Channel Amplifier
Both channels driven : 4 ohm 80 W + 80 W
CONCEPT1-TKIT
Maximum 60 Watts of 100 V speaker per output

Order Code	Trade	Offer
CONCEPT1		
CONCEPT1-TKIT		

PC1000RMKII
Apart Professional CD Player

Audio CD, CDR, CDRW, DVD, DVDR, DVDRW
Flash memory sticks and cards, 32Mb upto 32GB
Line level output (balanced & unbalanced)
Digital outputs (Toslink and Coax): SPDIF format, 16BIT, 44.1KHz
Cue Facility

Order Code	Trade	Offer
PC1000RMKII		

Apart 2 way Powered Speakers

SDQ5P-BL | SDQ5P-W

2 x 30W Loudspeakers
5.25" Woofer
IP Rate – IP40
One Active, One Passive
Black or White available

Order Code	Trade	Offer
SDQ5P-B		
SDQ5P-W		

Apart Rock Loudspeaker

ROCK20
20W @ 8 Ohm or 100V Line – Tapping's 20 – 10 – 5 – 2.5
Frequency Response – 60Hz to 20Khz
6.5" Woofer IP Rate – IP64 · Dimensions – 260 x 200 x 280mm (HxWxD)

ROCK608
40W @ 8 Ohm
Frequency Response – 60Hz to 20Khz
6.5" Woofer IP Rate – IP64 · Dimensions – 260 x 200 x 280mm (HxWxD)

Order Code	Trade	Offer
ROCK20		
ROCK608		

All products available with
1 YEAR WARRANTY

adastra CITRONIC Professional Audio

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Screened Microphone / Instrument Cable

CSA: 0.16mm
Strands: 2 x 20/0.1mmØ
Dimensions: 6.5mmØ

Code	Trade	Offer
803.680		

Figure 8 Loudspeaker Cable

F045: CSA: 1.32mm
Strands: 2 x (22 x 0.18mmØCu + 20 x 0.18mmØCCA)
Dimensions: 3.0 x 6.0mm
Sheath: White Polarity: Black
Packed: Reel

F046: CSA: 2.50mm
Strands: 2 x (40 x 0.18mmØCu + 39 x 0.18mmØCCA)
Dimensions: 4.0 x 8.0mm
Polarity: Black Packed: Reel

Code		Trade	Offer
F045	White		
Z242B	Black		
F046	White		
Z279B	Black		

General Loudspeaker Cable

801.818UK: CSA: 1.15mm
Dimensions: 7.8mmØ Sheath: Black
801.879UK: CSA: 2.01mm
Dimensions: 8.8mmØ Sheath: Black

Code	Trade	Offer
801.818UK 1.15mm		
801.879UK 2.01mm		

General Loudspeaker Cable

CSA: 0.75mm
Strands: 2 x 24/0.2mmØ
Cable dims: 5.8mmØ
Current: 6.0A max. Length: 100m

Code		Trade	Offer
804.323	White		
804.326	Black		

General Loudspeaker Cable

CSA: 0.75mm
Strands: 2 x 24/0.2mmØ
Cable dims: 3.6 x 5.9mm
Current: 6.0A max. Length: 100m

Code		Trade	Offer
804.311	White		
804.314	Black		

Mixer Amplifiers

NEW

5 input channels. Switchable phantom power (XLR)
Switchable VOX mic priority
8 Ohms & 100V line outputs. Bass & Treble EQ
Integrated USB/SD Audio player

Order Code	Trade	Offer
953.110	60W	
953.111	120W	
953.112	240W	

Slave Amplifiers

4 Ohms or 100V line
Soft-knee output limiter, Multi-speed cooling fans
Switchable 110/240Vac, 50/60Hz (IEC)
Dimensions 483 x 44 x 325mm (1U)

Order Code	Trade	Offer
952.908	120W	
952.911	250W	

Portable PA Unit

Echo effect for microphones
2 x VHF handheld microphones inc.
Integral USB/SD media player
Mains/rechargeable operation. Rugged ABS case

Order Code	Trade	Offer
178.843		

Low Profile Ceiling Mic

Phantom powered (9 - 52Vdc)
Excellent frequency response
Balanced output (XLR male connection)
Omnidirectional condenser microphone

Order Code	Trade	Offer
952.345		

Background Speakers

13.1cm Woofer and 1.25cm Dome Tweeter
5/10/20/40W 100V and 8 , by rotary switch
Weatherproof IP35, Power: 8 Ω 190W; RMS: 8 65W
SOLD INDIVIDUALLY

Order Code	Trade	Offer
952.961	White	
952.963	Black	

2 Way Ceiling Speakers

952.184 20 Watt @ 100V, 40 Watt @ 8 Ohm
952.153 20 Watt @ 100V, 50 Watt @ 8 Ohm
952.155 50 Watt @ 100V, 60 Watt @ 8 Ohm
Tappings: 2.5, 5, 10, 15, 20W & 8 ohms

Order Code	Trade	Offer
952.184	5.25"	
952.153	6.5"	
952.155	8"	

TIBO

EDGE 200
200W Speakers
EDGE 500
500W Speakers

EDGE 200 Floor standing
2 way bass reflex
200 Watts output RMS

EDGE 500 Floor standing
3 way bass reflex
500 Watts output RMS

Order Code	Trade	Offer
EDGE200		
EDGE500		

TI410 SYSTEM
Pro Hi-Fi Package

Bluetooth
Stereo Amp
2 x 50 Watts
Floor standing 3 way bass reflex speakers
400 Watts output power
DAB band III
DAB-L band/FM
CD/CD-R format
Mp3 playback

Bluetooth

Order Code	Trade	Offer
TI410SYSTEM		

TI410 AMP
Stereo Amplifier

Bluetooth

Stereo Amp 2 x 50 Watts
Bluetooth
6 x line inputs
Remote control

Order Code	Trade	Offer
TI410AMP		

TI410 DAB
DAB Tuner

DAB band III DAB-L band/FM
10 station preset
Remote control

Order Code	Trade	Offer
TI410DAB		

TI410 CDP
CD Player

Frequency response
CD/CD-R format
Mp3 playback
Remote control

Order Code	Trade	Offer
TI410CDP		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

MB3K / MB4K
Vocal Microphones

Extended frequency response
Rugged all-metal construction
Hi-ENERGY neodymium magnet for improved output and transient response
MB3K: Dynamic MB4K: Condenser

Code	RRP	Trade
MB3K		
MB4K		

AT8646QM / AT8647QMS
Non-Switched / Switched

Effective reduction of mechanical noise and vibration
XLRF connector mount
Lighted mute switch - AT8647QMS only

Code	RRP	Trade
AT8646QM		
AT8647QMS		

ES945W / ES945
Condenser Microphone

Polar Pattern:
Omni-directional
Frequency Response:
40-18,000 Hz
Impedance: 200 ohms
Phantom Power Req's:
11-52V DC, 2 mA typical

Code	RRP	Trade
ES945		
ES945W		

All products available with 1 YEAR WARRANTY

audio-technica

NEW

2000A Series
racked systems

CHANNEL 38 READY

Select from 3 system variations:
ATW-2420a: 4 handheld transmitters
ATW-2410aP: 4 tie-clip microphones with belt-pack transmitters
ATW-2421aP: 2 handheld and 2 tie-clip microphones with belt-pack transmitters

Order Code	RRP	Trade
ATW2420A		
ATW2410AP		
ATW2421AP		

4 channels of 2000a series wireless systems and professional antenna distribution system all pre racked into a high quality flight case. All system settings are preprogramed into the units so all you need to do is plug in and turn on. All systems come with a padded shoulder bag for safely storing the microphone and belt pack transmitters.

2000 Series
UHF 10 Channel Radio Mic System

CHANNEL 70 READY

Operating Frequency: 856.100 to 864.900 MHz
Number of Channels: 10 total
Frequency Response: 100 Hz to 15 kHz
ALSO AVAILABLE CHANNEL 38

Order Code		RRP	Trade
ATW2120	H/Held		
ATW2110A/P	Lapel		
ATW2110A/P1	Lapel		
ATW2110A/H	Headset		

NEW

ATH-M
series headphones

Driver Diameter: 40 mm
Magnet: Neodymium
Frequency Response: 30-20,000 Hz (ATH-M20)
20-20,000 Hz (ATH-M30)
Maximum Input: 1,200 mW at – kHz (ATH-M20)
1,600 mW at – kHz (ATH-M30)
Sensitivity: 98 dB (ATH-M20) 100 dB (ATH-M30)
Impedance: 40 ohms (ATH-M20) 65 ohms (ATH-M30)

Order Code	RRP	Trade
ATH-M20		
ATH-M30		

SYSTEM 10
2.4 GHZ Microphone Systems

2.4 GHZ

Digital 24-bit/48 kHz wireless operation for ultimate sound quality and dependable performance
2.4 GHz range - completely free from TV interference
Automatic frequency selection for seamless, interference-free operation
Balanced XLR and unbalanced 1/4" output jacks with level control

Order Code		RRP	Trade
ATW1101	Beltpack System		
ATW1102	Handheld System		
AT829AW	Lapel Mic Only		
PRO8HECW	Head Mic Only		

AT-LP120USB
USB Professional Turntable

USB output—connects directly to your computer for plug-&-play use
Mac- and PC-compatible Audacity software digitizes your LPs
Selectable 33/45/78 RPM speeds
Professional cast aluminum platter with slip mat
Balanced tone arm with soft damping control
Switchable built-in pre-amplifier with line-level RCA output cables
Stroboscopic platter speed indicator

Order Code	RRP	Trade
AT-LP120USB	H/Held	

PROPOINT
Audio Technica Propoint Microphone Range

PRO42 / PRO44 Propoint Microphones
Polar Pattern: Half Cardioid
Max Input Sound Level:
134dB PRO42, 114dB PRO44
Dynamic Range:
105dB PRO42, 86dB PRO44

PRO45 / PRO45W Propoint Microphones
Polar Pattern Cardioid
Max Input Sound Level 134dB
Signal to Noise Ratio 66dB
Dynamic Range 106dB
Phantom Power 9-52V DC

PRO47T / PRO47TL Propoint Microphones
Polar Pattern: Cardioid
Max Input Sound Level: 134dB
Signal to Noise Ratio: 66dB
Dynamic Range: 106dB
MAX.length (PRO45) = 315.0mm
MAX.length (PRO45W) = 408.0mm

PRO49Q / PRO49QL Propoint Microphones
Polar Pattern: Cardioid
Max Input Sound Level: 134dB
Signal to Noise Ratio: 66dB
Dynamic Range: 106dB
MAX.length (PRO49) = 332.0mm
MAX.length (PRO49L) = 418.0mm

Order Code	RRP	Trade
PRO42		
PRO44		
PRO45		
PRO45W		
PRO47T		
PRO47TL		
PRO49Q		
PRO49QL		

All products available with 1 YEAR WARRANTY

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

PM4/8SA PAGING MICS WITH SPOT ANNOUNCER

Individual and Multiple Zone Selection by Mic or Message
Remote Message Trigger Contacts (NO/NC Contacts) for PIRs, Timer, DVR/Cameras
User Definable WMA & MP3 Recordable Message - any length
Definable Zone Groups with Group Selection
Pre-Announcement Chime (recordable on SD Card)
Configurable 2-Layer Announcement Priority
Zone Disable Function

Code	Trade
PM4SA	
PM8SA	

LE1B/W LINE INPUT MODULE

Stereo RCA Line Inputs
3.5mm Stereo Jack Input
Compatible with DCM1 Digital Control Zone Mixer
Compatible with DCM1e Ethernet Digital Control Zone Mixer

Code	Trade
LE1B	
LE1W	

ME1B/W MICROPHONE INPUT MODULE

Dual Microphone Inputs
Dual Microphone Gain Controls
Compatible with DCM1 Digital Control Zone Mixer
Compatible with DCM1e Ethernet Digital Control Zone Mixer

Code	Trade
ME1B	
ME1W	

DCM1E - Ethernet 8 Zone Digital Mixer

The DCM1e is a new Ethernet version of the popular DCM1 Digital Control Zone Mixer. The addition of an Ethernet port on the rear panel of the new DCM1e allows its in-built Ethernet web-server to be connected via an RJ-45 socket to an independent or existing wireless router.
This new feature means the new DCM1e can be configured and controlled remotely by any mobile device or PC connected to the network.
Using the web browser of any mobile End Users have "limited installer defined" controls via simple and intuitive interface pages. Installers have administrator status via "Configuration Options" which are password protected.

8 Stereo Line Inputs (1 Balanced)
8 Balanced Line Outputs (2 Stereo + 6 Mono)
4 Dedicated RJ-45 Ports for optional Line Inputs (LE-1)
4 Dedicated RJ-45 Ports for optional Mic Input Sockets (ME-1)
Microphone Paging to all or any zone with fully programmable override logic

Separate analogue paging Microphone Input with analogue contact closure selection
Configurable remote Controls (CDR-1)
Configurable Line Priority by Zone
RS-232 Interface for Crestron/Other Control
Ethernet Connection Socket and Web Server for PC,Tablet & Mobile Device Control
Accepts Bose, Amina and Active Audio EQ cards

Code	Trade
DCM1E	

DCM1 - 8 Zone Digital Mixer

8 Stereo Line Inputs (1 Balanced)
8 Balanced Line Outputs (2 Stereo + 6 Mono)
4 Dedicated Ports for Optional Line Inputs (LE-1)
4 Dedicated Ports for Optional Mic Inputs (ME-1)
Mic Paging to all Zones with Fully Programmable Override Logic

Configurable Multiple Remote Controls
EQ can be set by Remote Controls
Configurable Line Priority by zone
Remote Active Line and Mic Modules (LE-1, ME-1 & BE-1)
RS232 Interface for AMX/Crestron

Code	Trade
DCM1	

CDR1B & CDR1W

Surface Control Panel

Enables remote control of Cloud's DCM-1 and DCM-1E Digitally Controlled Mixer
Simple to install - connects to DCM-1 and DCM-1E using standard CAT-5 cable
Can be interconnected using a wide choice of wiring topologies
User accessible functions:
Source selection
Level control
Group enable/disable
Installer mode (Enabled by internal jumper):
Zone assignment
Password setting
Display adjustment
Inactivity time (time for which display backlight remains lit after a button is pressed)

Order Code	Trade
CDR1B	
CDR1W	

CDR1FB/W/S

Flush Control Panel

Enables remote control of Cloud's DCM-1 Digital Control Mixer
Simple to install - connects to DCM-1 and other CDR1/1F's using standard CAT-5 cable
Can be interconnected using a wide choice of wiring topologies
User accessible functions:
Source selection · Level control
Group enable/disable
Installer mode (Enabled by internal jumper):
Zone assignment · Password setting · Display adjustment
Inactivity time (time for which display backlight remains lit after a button is pressed)

Order Code	Trade
CDR1FB	
CDR1FW	
CDR1FS	

All products available with 2 YEAR WARRANTY

cloud

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

RSL6 REMOTE SOURCE SELECT
RL1 REMOTE LEVEL CONTROL

RSL-6 Remote Source Select
Remote Music Source Select and Level Control compatible with Z4ii, Z8ii, CX263, CX261, 46/50, 36/50

RL-1 Remote Level Control
Remote Level Control compatible with Z4ii, Z8ii, CX263, CX163, 46/50, 36/50, CXV225 and CXV425

Code		Trade
RSL6	BLACK	
RSL6W	WHITE	
RL1		

LM1 ACTIVE MODULE PLATE
CXL40T TOROIDAL TRANSFORMER

LM1 Active Module Plate
Inputs for balanced mic and stereo line. Individual level controls for mic and music. Mic can override.

CXL40T Toroidal Transformer
40W 100/70 volt toroidal transformer compatible with 46/50, 36/50, CXA450 and CXA850.

Code	Trade
LM1	
LM2 (MK3 Version mixers)	
CXL40T	

CXL3120 TRANSFORMER MODULE
CXL4160 TRANSFORMER MODULE

CXL3120 Transformer Module
3 x 40W, 100V or 70V transformer module for internal use in 36/50

CXL4160 Transformer Module
4 X 40W 100V or 70V transformer module for internal use in 46/50 and CXA450

Code	Trade
CXL3120	
CXL4160	

Z4CLOUDMK3
4 Zone Mono Mixer

6 line inputs with preset gain controls
Line 6 priority, can be selected on a zone by zone basis
Facility input is available on all zones
2 Mic inputs with volume controls on front panel
Input for paging Mic with priority and zone selection

Order Code	Trade
Z4CLOUD	

Z8CLOUDMK3
8 Zone Mono Mixer

6 line inputs with preset gain controls
Line 6 priority, can be selected on a zone by zone basis
Facility input is available on all zones
2 Mic inputs with volume controls on front panel
Input for paging Mic with priority and zone selection

Order Code	Trade
Z8CLOUD	

Cloud VTX Series Amplifiers

Front panel LEDs for power status, signal presence, peak level and protection. Balanced line level inputs with gain trim
Per channel switched hi-pass filter (18dB/oct below 65Hz)
Compatible with RL1 remote volume control

Order Code		Trade
VTX4120	4 x 120W	
VTX4240	4 x 240W	
VTX4400	4 x 400W	
VTX-WM1	Network Card	

Cloud PM Series Paging Mics

Pre-announcement chime with internal chime sounder
"Talk" and "Call-all" buttons, "Busy" LED
Zone disable function
Paging Mics with Spot Announcer available on request

Order Code		Trade
PM1	1 Zone	
PM4	4 Zone	
PM8	8 Zone	
PM12	12 Zone	
PM16	16 Zone	

36/50
2 Zone Mixer Amp

Features: 2 zone mixer/amplifier with utility output
6 line inputs, 1 mic input with paging options for zones 1, 2 and utility output
Music level and source selection with remote RSL-6
3 x 50W for Z1, Z2 and utility output with dynamic clip limiters on every amplifier
Optional 3 x 40W 100V or 70V internal module (CXL-3120)

Order Code	Trade
36/50	

46/50
4 Zone Mixer Amp

4 zone mixer/amplifier, 4 x 50W with dynamic clip limiters on every zone
Mic 1 priority over Mic 2
Line 6 input priority (zone 1 only) with adjustable release
6 line inputs, 2 Mic inputs with voice operated priority over the music
Optional 4 x 70W 100V or 70V internal module (CXL-4160)

Order Code	Trade
46/50	

CXA450 4 Channel, 4x50W Amp
CXA850 8 Channel, 8x50W Amp

Optional external 40W 70V or 100V line transformer module available (CXL-40T)
Optional is a 4 x 40W 70V/100V internal module (CXL-4160) - CXA450
LED indicators for signal, clip and protect - CXA450
Optional modules for remote level control of any channel, VCA-5 - CXA850
Comprehensive protection circuitry including dynamic clip protection - CXA850

Order Code		Trade
CXA450	4 Channel, 4x50W Amplifier	
CXA850	8 Channel, 8x50W Amplifier	

CXV225 2 x 250W Amplifier 100V
CXV425 4 x 250W Amplifier 100V

CXV225	CXV425
2 x 250W, Transformer-less topology,	4 x 250W, Transformer-less topology
EQ card option, VCA option	EQ card option
Variable high pass filter	Thermal Protection

Order Code		Trade
CXV225	2 x 250W Amplifier 100V	
CXV425	4 x 250W Amplifier 100V	

CX163
2 Zone Stereo Mixer

6 stereo line inputs
Line 6 priority over other input sources in zone 1 only
Remote music mute
Microphone access contacts for paging to all 3 zones
Both stereo zones can be configured to run as mono

Order Code	Trade
CX163	

CX261
Six (unbalanced) Stereo Line Inputs

6 (unbalanced) stereo line inputs with individual gain
Two electronically-balanced mic inputs
MIC 1 configurable as line input. MIC 1 priority over MIC 2
Selectable LINE 6 priority with choice of release times
Transformer-isolated mono auxiliary output.
Aux output source selection.

Order Code	Trade
CX261	

CX263
3 Zone Mixer

1 stereo zone and 2 mono zones
Line 6 priority over other input sources in all zones
Remote music mute
Paging mic access for Mic 1 only, Mic over music priority
Front panel gives Mic 1 level, Mic 2 level, music level and music source

Order Code	Trade
CX263	

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

KAM SOUNDFORCE WHILE STOCKS LAST!

SOUNDFORCE12

250 Watts RMS @ 8 Ohms
High frequency 44mm titanium compression driver
Dims (H x W x D):
620 x 410 x 300mm
Net weight: 15.5Kgs

Code	Trade	Offer
SOUNDFORCE12		

LaserScan Series KAM Lasers

LASERSCAN170RGY
120mW red / 50mW
green laser colour mixed to yellow
Remote control
Full DMX512 operation
17 DMX channels
Sound-to-Light via mic

LASERSCAN180RBP
100mW red / 80mW
blue laser colour mixed to pink
Remote control
Full DMX512 operation
17 DMX channels
Sound-to-Light via mic

LASERSCAN120GBC
40mW green / 80mW
blue laser colour mixed to cyan
Remote control
Full DMX512 operation
17 DMX channels
Sound-to-Light via mic

Code	Trade	Offer
LASERSCAN170RGY		
LASERSCAN180RBP		
LASERSCAN120GBC		

HBL are proud to introduce KAM's New Range of Microphone Systems

KWM6 Series
KAM Single VHF System

Single true diversity VHF wireless microphone system
Dual antenna with A-B switching
Balanced XLR audio output
Unbalanced 1/4 inch jack audio output
Range: up to 50m

Code	Trade	Offer
KWM6-173.8		
KWM6-174.1		
KWM6-174.5		
KWM6-174.8		
KWM6-175.0		

KWM1935 and 1940 Series
Single / Dual UHF Systems

KAM1953	KWM1940: Individual balanced XLR
16 channel PLL preset system	Unbalanced jack 'mix' audio output
Balanced XLR audio output	Range: up to 50m
Unbalanced jack audio output	Freq response: 40Hz 15kHz +/-3dB
Range: up to 50m	16 freq between 863MHz - 865MHz

Code	Trade	Offer
KWM1935		
KWM1940		

KWM1900 Series
KAM UHF Systems

KWM1900HH, Receiver:	KWM1900GB Receiver:
UHF 863.00 - 865.00MHz	Channel 70 frequency
Preset 16 channel PLL	UHF 863.00 - 865.00MHz
Hand held microphone:	Auto frequency scanning
Modulation type: FM	Preset 16 channel PLL

Code	Trade	Offer
KWM1900HH		
KWM1900GB		

KWM1960 Series
KAM Dual UHF Systems

KWM1960HH, Channel 70 & 38 Available	KWM1960BP, Channel 70 & 38 Available
2x Freq's: 863-865 and 606-614MHz	2x Freq's: 863-865 & 606-614MHz
Automatic frequency scan feature	Automatic frequency scan feature
Preset 16 non-interference channels	Preset 16 non-interference channels
50 meters range	50 meters range

Code		Trade	Offer
KWM1960HH	Ch70		
KWM1960HH-38	Ch38		
KWM1960BP	Ch70		
KWM1960BP-38	Ch38		

Provided with 1 YEAR WARRANTY

CD200I CD Player With iPod Dock

Plays audio CDs, MP3 CDs and WAV file CDs
Repeat All and Repeat Single
±12% pitch control (analogue outputs)
RCA unbalanced line outputs

Order Code	Trade	Offer
CD200I		

CD200BT
Professional CD Player with Bluetooth

Plays audio CDs, MP3 CDs and WAV file CDs
Repeat all and repeat single
Built in Bluetooth
+ / - Pitch Control (analogue outputs)
RCA Unbalanced line outputs

Order Code	Trade	Offer
CD200BT		

DVD01U Pro DVD Player

Accepts multiple DVD and CD formats: DVD Video; DVD Audio;
VCD (VideoCD) SVCD, CD-DA
HDCP compliant (encryption standard)
S-Video output & Component video output

Order Code	Trade	Offer
DVD01U		

CD200SB
Solid State CD Player

CD Player, WAV, MP3, MP2, WMA
±14 % pitch control
Direct Access Keys for 10 selectable Folder
on SD/SDHC/USB Memory

Order Code	Trade	Offer
CD200SB		

All products available with 1 YEAR WARRANTY

VISION

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

1-PHONO

Code	Description	Offer
TC2-5M1PHO	5m	
TC2-10M1PHO	10m	
TC2-15M1PHO	15m	
TC2-20M1PHO	20m	

2-PHONO

Code	Description	Offer
TC2-5M2PHO	5m	
TC2-10M2PHO	10m	
TC2-15M2PHO	15m	
TC2-20M2PHO	20m	

3.5mm Mini-Jack

Code	Description	Offer
TC2-5M3.5MM	5m	
TC2-10M3.5MM	10m	
TC2-15M3.5MM	15m	
TC2-20M3.5MM	20m	

VGA

Code	Description	Offer
TC2-5MVGA	5m	
TC2-10MVGA	10m	
TC2-15MVGA	15m	
TC2-20MVGA	20m	

S-Video

Code	Description	Offer
TC2-5MSVID	5m	
TC2-15MSVID	15m	

TC2-LT+LT10M

Module and Cable Package

NEW

Module Package: 1 x 2-Gang UK Backbox (surface mount)
1 x 2-Gang Surround (accommodates 5 modules)
1 x VGA with Minijack Module
1 x USB (B-type on front) Module
1 x 3-Phono Module
3 x Blanking panels Module

Cable Package: 1 x VGA Cables
1 x Minijack Cable
1 x 1-phono (RCA) Cable for Composite Video
1 x 2-phono (RCA) Cable for Stereo Audio

Code	Trade	Offer
TC2-LT+LT10M		

TC2-CTL2

Learning IR Control

Learning IR module
Can control up to three devices simultaneously
Interchangeable buttons and optional mains power

Code	Trade	Offer
TC2-CTL2		

TC2-AMP3

2 x 20w Digital Amplifier

Extremely small 2 x 20w (RMS) at 8 ohms Digital Amplifier
2 x Stereo inputs (Input 1 is duplicated on front and rear)
IR Remote control included

Code	Trade	Offer
TC2-AMP3		

Vision Modular Faceplate System

	Code		Trade	Offer
1	TC2-BLANK	Blank module		
2	TC2-1PHO	1-Phono module		
3	TC2-3PHO	3-Phono module		
4	TC2-HDMI	HDMI module 1.4		
5	TC2-RJ45	RJ45		
6	TC2-2RJ45	Twin RJ45 module		
7	TC2-USBB	USB-b module		
8	TC2-VGAF3.5MM	VGA+3.5mm module		
9	TC2-SVID2PHO	S-Vid+2-pho module		
10	TC2-SPEAKER	Speaker module		
11	TC2-SPEAKON	Speakon module		
12	TC2-TOSLINK	Toslink Digital Audio		
13	TC2-3.5MM	3.5mm		
14	TC2-3.5MMVOL	3.5mm Vol module		
15	TC2-2PHO	2-Phono		
16	TC2-2PHOVOL	2-Phono Vol module		
17	TC2-PWRUK	UK Power module		
18	TC2-BNC	BNC module		
19	TC2-RF	RF aerial module		
20	TC2-F	F module		
21	TC2-BACKBOX1G	White 1-Gang Backbox		
22	TC2-BACKBOX2G	White 2-Gang Backbox		
23	TC2-SURR1G	White 1-Gang Surround		
24	TC2-SURR2G	White 2-Gang Surround		

Double plate fits 5x small modules

Single plate fits 2x small modules

UK socket amplifier and IR Control are all two modules

All products available with 1 YEAR WARRANTY

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Penn Elcom Castors, 4 Pack Cagenuts, Screws and Washers, 50 Pack

Code		Trade	Offer
R8480	4 Castors		
SCRP24	Pack of 50		
17-086-10	Lock/Keys		

Penn Elcom Slide & Rotate Racks

Slide & Rotate Rack System with cable management bar is designed for greater accessibility to rack mount equipment and cables. This rack can be housed inside enclosed spaces by bolting/screwing the enclosure base plate down to a solid surface.

Code	Trade	Offer
R8010-6		
R8010-8		
R8010-12		
R8010-16		
R8010-20		

Penn Elcom Contractor Racks

Front & Rear Mounting Rails
Well Ventilated Top/Base Front and Sides sections
Black Textured Coated Zinc plated Steel
Pre-Punched For Contractor Castor bas Kit

Code	Trade	Offer
R12C600		
R16C600		
R20C600		

Penn Elcom 19" Equipment Racks

Part No.	Description	Depth	Height	Weight
R8400-06	6U Frame	480mm	320mm	10.5Kg
R8400-08	8U Frame	480mm	409mm	14Kg
R8400-10	10U Frame	480mm	489mm	15.5Kg
R8400-12	12U Frame	480mm	587mm	17Kg
R8400-16	16U Frame	480mm	766mm	21Kg
R8400-20	20U Frame	480mm	943mm	25Kg
R8400-24	24U Frame	480mm	1120mm	29Kg
R8400-28	28U Frame	480mm	1298mm	33Kg
R8400-35	35U Frame	480mm	1580mm	37.5Kg

Order Code		Trade	Offer
R8400/06	6U		
R8400/08	8U		
R8400/12	12U		
R8400/16	16U		
R8400/20	20U		
R8400/24	24U		
R8400/28	28U		
R8400/35	35U		

Penn Elcom Lockable PlexiGlass Doors

Order Code		Trade	Offer
R8450/06	6U		
R8450/08	8U		
R8450/12	12U		
R8450/16	16U		
R8450/20	20U		
R8450/24	24U		
R8450/28	28U		
R8450/35	35U		

Penn Elcom Lockable Vented Doors

Order Code		Trade	Offer
R8460/06	6U		
R8460/08	8U		
R8460/12	12U		
R8460/16	16U		
R8460/20	20U		
R8460/24	24U		
R8460/28	28U		
R8460/35	35U		

Penn Elcom Wall Mount Rack

Wall Mount Rack Enclosure, with Removable Side Panels

Quick release, Tempered Glass Lockable Front Door

Order Code		Trade	Offer
WM6406BK	6U		
WM6409BK	9U		
WM6412BK	12U		
WM6418BK	18U		

Penn Elcom Blanking Plates and Venting Panels

Order Code		Trade	Offer
R1285/1UK	1U Blank		
R1285/2UK	2U Blank		
R1285/3UK	3U Blank		
R1285/4UK	4U Blank		
R1279/1UK	1U Vent		
R1279/2UK	2U Vent		
R1279/3UK	3U Vent		
R1279/4UK	4U Vent		

Penn Elcom Rack / Vented Shelves

Order Code		Trade	Offer
R1194/1UK	1U Shelf		
R1194/2UK	2U Shelf		
R1194/3UK	3U Shelf		
R1194/4UK	4U Shelf		
R1194/2UVK	2U Vented		
R1194/3UVK	3U Vented		

Penn Elcom Lockable Drawers

Lockable Rack Drawers

2U, 3U or 4U Available

Order Code	Size	Trade	Offer
R1292K	2U Drawer		
R1293K	3U Drawer		
R1294K	4U Drawer		

Penn Elcom Rack Mount Distribution Unit

6 Way distribution unit
19" rack mountable

Order Code	Trade	Offer
PDU-BS-6B		

Penn Elcom FT01Q Coolrac

Quiet & versatile rack fan unit.
Can either draw in or expel air from the front or the back of the rack
Low Noise (24.4 dBA)
Ideal for Studio Racks & Churches
12V DC Operation
450mA

Order Code	Trade	Offer
FT01-Q		

Penn Elcom Anti-Tamper Vision Covers

These anti-tamper covers have been specially designed to fit over most 19 inch rack mounted equipment.
The vision panel allows the operator to observe indicators and use IR control, but stops any unwanted tampering.
-Mounted in a Steel Cover
-Kit Includes M6 Security Screws
-High Quality Black or Silver Finish

Order Code	Trade	Offer
ATP01K		
ATP02K		

Harry B Litherland Limited
50 YEARS OF EXCELLENCE

SAMSUNG · Panasonic · LG · cello · SHARP · B TECH · Antiference · Labgear · PHILEX · TRIAX · Optoma · TriStar · NEC · APart · TEAC · SigNET · Wharfedale · DENON · TRANTEC · SENNHEISER · Cloud · TASCAM · audio-technica · JBL · TOA · YAMAHA · HBCCTV · HIKVISION · QVIS

QVIS

ADE36BLACK/WHITE/GREY

QViS ADE36 - 650TVL Enhanced IR Varifocal Dome Camera (Black / Grey / White)

COMPLETE YOUR INSTALL WITH STAND-OFF RINGS

Internal/External	Dual ring design
2.8 - 12mm Lens	(No IR reflection)
25-30M IR Range	Screw base, simple install
Day/Night	Privacy Masking / Motion Detection
Auto White Balance	2DNR & ATR
Armoured Housing	(Adaptive Tone Reproduction)
3-Axis Gimble	

Code	Trade	Offer
ADE36B / W / G		
LERINGB / W / G		

QViS ADB650VF

All in One 700TVL Armoured Bullet Camera

1/3" Sony Super HAD CCDII, ICX811AKA	Res: 700TVL
DSP: Enhanced Effio-E	IR LED: 48pcs
Lens: 2.8 - 12mm Varifocal	IR Range: 40 - 50m
Illumination: 0 Lux (IR LED On)	Voltage: 12V DC

Order Code		Trade	Offer
ADB650VF	2.8 - 12mm 650TVL		

QViS I-APOHDRTIO

4 / 8 / 16 Channel 1TB DVR with Alarm Input/Output

Up to 4/8/16 cameras with 1080p real-time preview	3D intelligent positioning with PTZ camera
H.264 dual-stream video compression	All channel synchronous real-time playback, GRID interface & smart search
All channel D1 (4CIF) real-time recording	Support 1 SATA HDD, 2 USB 2.0
HDMI / VGA / BNC simultaneous video output	Multiple network monitoring: CMS, PSS

Order Code	Trade	Offer
I-APOHDRTIO-4-1TB		
I-APOHDRTIO-8-1TB*		
I-APOHDRTIO-16-1TB		

AD2008WHITE

External 700TVL Anti-Vandal Dome Camera

DON'T FORGET THE STAND-OFF WALL BRACKET

1/3" Camera (Sony Effio-E)	2D Noise Reduction
Mechanical Focus Adjustment	High Contrast Images
OSD Control Built-in	Ideal for Backlight Environments
ATR (Adaptive Tone Reproduction)	Privacy Mask
High Light Compensation (HLC)	Motion Detection
	Second Video

Order Code	Description	Trade	Offer
AD2008WHITE	IR AV Dome		
AD2000WALL	Bracket		

CCTV and Security

MARCH 2014

Sales 01253 607830
Tech 01253 607859
Fax 01253 607831
Web www.hblitherland.co.uk
Email sales@hblitherland.co.uk

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

Money Saving Offers!

MINIPTZEXT23
23X OPTICAL ZOOM EXTERNAL PTZ

Preset: 80 (DH-SD), 255 (Pelco P/D) 650TVL
0.01 Lux - RS4855

Code	Was	Now
MINIPTZEXT23	£239.00	£224.00

ADMINIKB
Half Scale • 3 Axis Multi-Protocol Keyboard

Code	Was	Now
ADMINIKB		

ADFULLKB
Full Scale • 3 Axis Multi-Protocol • Keyboard

Code	Was	Now
ADFULLKB		

TEST008
PTZ / NETWORK / TEST MONITOR

The Swiss Army Knife of Test Monitors

DID YOU KNOW?

YOU CAN TALK LIVE TO YOUR CCTV SYSTEM REMOTELY VIA THE QVIS "I" RANGE OF DVRS WITH AN AMPLIFIER AND SOME SPEAKERS

TOA PROVIDE THE PERFECT SOLUTIONS ON PAGE 37

CALL FOR MORE INFO

QVIS
ANALOGUE CCTV PRODUCTS

AD705 600TVL Eyeball Domes
ADE36 650TVL Enhanced IR

As seen on CCS front page

3.6mm Lens (705), 2.8 - 12mm
Varifocal lens (36) 10 - 15m IR (705),
Up to 30m IR (36), IP66
Stand-off rings for use with ADE36 cameras only
Armoured housing, back light compensation & intelligent IR

Order Code	Trade	Offer
AD705B / W / G		
ADE36B / W / G		
LERINGB / W / G		

Qvis ADB650VF
All in One Armoured Outdoor / Indoor Bullets

As seen on CCS front page

1/3" SONY CCD ADB600VF
1/3" 960H Exview HAD II CCD ADB650VF
650TVL
2.8 - 12mm Varifocal Lens, 12V DC
Cable-managed bracket and built-in sunshield

Order Code	Trade	Offer
ADB650VF	2.8 - 12mm 650TVL	

700TVL IR Anti-Vandal Dome

As seen on CCS front page

Anti-Vandal Dome Cameras
2.8 - 11mm lens
Up to 30M IR (2008)
Dual Voltage
Armoured housing & intelligent IR

Order Code	Trade	Offer
AD2008WHITE	IR AV Dome	
AD2000WALL	Bracket	

Atlantis Series
4/8/16 Channel Standalone DVRs

4 Channel DVR - 25FPS on all 4 channels
8 Channel DVR - 25FPS on 1 channel, 6FPS on all other channels
16 Channel DVR - 25FPS on 1 channel, 6FPS on all other channels
Remote viewing
Timeline Playback
4 Ch Audio input
H.264 video compression
Smart search motion detection
Pentaplex function
Easy backup
Alarm triggering
Wi-Fi
PSS Compatible
1 x HDMI, 1 x VGA
PTZ control
Bi-directional talk

Order Code	Was	Now
ATL-4-1TB		
ATL-8-1TB*		
ATL-8-2TB*		
ATL-16-1TB*		
ATL-16-2TB*		

iZeus HD Lite Series
4/8/16 Ch Full D1 1080p Mini 1U DVR's

4 Channel - Realtime D1 on all channels 25fps
8/16 Channel 25fps at CIF 6fps D1
4/8/16 Channel Video Inputs & 1 Channel Audio Input/Output
H.264 Compression
Remote access through mobile phone
1 x HDMI, 1 x VGA, 1 x BNC video outputs
1080p realtime preview
Supports 1 SATA HDD, USB
Built in webs server, multi-dvr client
Live, recording, playback & back up
Easy backup, USB devices, network download
Smart video detection: motion detection camera blank, video loss
iAPollo App

Order Code	Was	Now
IAPOLLO41TB*		
I-ZEUSHDL-8-1TB		
I-ZEUSHDL-8-2TB		
I-ZEUSHDL-16-1TB		
I-ZEUSHDL-16-2TB		

iApollo Pro Lite Series
8/16 Channel 1.5U Standalone DVR's

25FPS real time recordings across all channels
Full channel D1 (4CIF) Real time recordings
8 or 16 Channel simultaneous playback
Up to 8/16 cameras with Hi-Def 1080P display
H.264 dual-stream video compression
Remote access through smart mobile phones
Built in webs server, multi-dvr client
Supports 4 SATA HDD, 2 USB2.0
HDMI / VGA / TV/ SPOT (BNC) synchronous video output
Easy backup - USB devices, network download, CD/DVD-RW
Smart video detection: motion detection, camera blank, video loss
Alarm triggering screen tips, buzzer, PTZ, e-mail & FTP upload
Pan Tilt Zoom and Speed Dome control
Built in web server, multi-dvr client & ZMS

Order Code	Was	Now
I-APOPROLITE-8-1TB		
I-APOPROLITE-8-2TB		
I-APOPROLITE-16-1TB		
I-APOPROLITE-16-2TB*		

Pro DC Series DVR's 8/16/32 Channel Full D1 2U Standalone DVR with DVD Writer

Full D1 on all channels @ 25FPS
Smart Phone Compatible
DVD Writer
Full HD 1080p Real Time Preview
1 x HDMI, BNC & VGA Video Outputs
Pentaplex Operation

1, 2, 4, 8, and 12TB
versions available in all models

Ideal for casinos, shops, night clubs, schools and police stations

Order Code	Was	Now
I-APOPRODC-8-1TB		
I-APOPRODC-8-2TB		
I-APOPRODC-8-4TB		
I-APOPRODC-8-8TB		
I-APOPRODC-8-12TB		
I-APOPRODC-16-1TB		
I-APOPRODC-16-2TB		
I-APOPRODC-16-4TB		
I-APOPRODC-16-8TB		
I-APOPRODC-16-12TB*		
I-APOPRODC-32-1TB		
I-APOPRODC-32-2TB		
I-APOPRODC-32-4TB		
I-APOPRODC-32-8TB		
I-APOPRODC-32-12TB		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

KEEP AN EYE OUT FOR THE IP CCTV LOGO FOR ALL IP PRODUCTS WE CAN SUPPLY

UNBEATABLE OFFERS ON CAT5 CABLE

CAT5305MPC
305m Pure Copper Cat5E

CAT5305M
CCA Networking Cable

70215B
RJ45 Network Plug

Netgear 10/100 Switches with PoE
NETFS108P
NETFS116P
NETFS726TP

NETFS108P
Netgear 8 Port 10/100 Desktop Switch with 4 Ports of PoE

NETFS116P
Netgear 16 Port 10/100 Desktop Switch with 8 Ports of PoE

NETFS726TP
Netgear 24 Port 10/100 Smart Switch with 2 Gigabit ports and 12 Ports of PoE

Code		Trade	Offer
NETFS108P	8 Port / 4 PoE		
NETFS116P	16 Port / 8 PoE		
NETFS726TP	24 Port / 12 PoE		

QVIS

IP CCTV PRODUCTS

AMB-MD-1.3
1.3MP HD Network Dome Camera

IP CCTV

1.3 (1280 x 960) megapixel resolution
3.6mm fixed lens
25FPS @ 720p, 15FPS @ 1.3MP
Built-in Web server, NVR, CMS, PSS
Dual encoding streams supported
Support DC12V power supply, POE

Order Code	Was	Now
AMB-MD-1.3		

AMB-MD2
2MP Full HD Vandal-Proof Network Mini Dome Camera

IP CCTV

2 (1920 x 1080) megapixel resolution
3.6mm fixed lens
25/30FPS @ 1080p
DWDR Day/Night (Electronic),
3DNR, AWB, AGC, BLC
Multiple network monitoring: Web viewer, CMS (DSS / PSS) & DMSS
Micro SD memory, IP66, IK10, DC12V, PoE
ONVIF Version 2.0

Order Code	Was	Now
AMB-MD2		

AMB-EYE2
2MP Full HD Network Small IR Dome Camera

IP CCTV

2 (1920 x 1080) megapixel resolution
3.6mm fixed lens (6mm optional)
25/30FPS @ 1080p
DWDR Day/Night (Electronic), 3DNR, AWB, AGC, BLC
Multiple network monitoring: Web viewer, CMS (DSS / PSS) & DMSS
Max. IR LEDs Length 20m
IP66, DC12V, PoE (802.3af)
ONVIF Profile S

Order Code	Was	Now
AMB-EYE2		

AMB-MB2
2 MP Full HD Network Small IR Bullet Camera

IP CCTV

2 (1920 x 1080) megapixel resolution
6mm fixed lens (3.6mm, 8mm optional)
25/30FPS @ 1080p
DWDR Day/Night (Electronic),
3DNR, AWB, AGC, BLC
Multiple network monitoring: Web viewer, CMS (DSS / PSS) & DMSS
Max. IR LEDs Length 20m
IP66, DC12V, PoE (802.3af)
ONVIF Profile S

Order Code	Was	Now
AMB-MB2		

AMB-BL2
2MP Full HD Network Water-Proof IR Bullet Camera

IP CCTV

2 (1920 x 1080) megapixel resolution
3.3 - 12mm varifocal lens
25/30FPS @ 1080p · DWDR, Day/Night (ICR),
Auto Iris, 3DNR, AWB, AGC, BLC
Multiple network monitoring:
Web viewer, CMS & PSS
Max. IR LEDs Length 20m
IP66, DC12V (AC 24V optional),
PoE (802.3af) · ONVIF Profile S

Order Code	Was	Now
AMB-BL2		

AMB-VANIR2
2MP 1080p Vandal-Proof IR Dome Camera

IP CCTV

2 (1920 x 1080) megapixel resolution
3.3 - 12mm varifocal lens
25/30FPS @ 1080p, 50/60FPS @ 720p
DWDR, Day/Night (ICR),
2DNR, AWB, Auto Iris, AGC, BLC
Max. IR LEDs length 20m
OSD, AC24V/DC12V, PoE
ONVIF Version 2.0

Order Code	Was	Now
AMB-VANIR2		

IPPTZ-12-EXT
2MP Mini Network PTZ Dome Camera

IP CCTV

Powerful 12x Optical Zoom
Max. 25/30fps @ 1080p & 50/60fps @ 720p
DWDR, Day/Night (ICR), DNR (2D&3D), Auto iris,
Auto focus, AWB, AGC, BLC
Max 300°/s pan speed, 360° continuous pan rotation
Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
Built-in 2/1 alarm in/out
Support intelligent 3D positioning with DH-SD
protocol
IP66, POE+

Order Code	Was	Now
IPPTZ-12-EXT		

iApollo
4 Channel 1U4 PoE Mini NVRs

IP CCTV

Up to 4 channels with 1080P real-time live view
H.264/MJPEG dual codec decoding
Max 120FPS @ 1080p, 240FPS @ 720p,
480FPS @ D1 preview & recording
All channel simultaneous real-time playback,
GRID interface
ONVIF Version 2.0 conformance
3D intelligent positioning PTZ camera
Support 1 x SATA HDD up to 4TB, 2 x USB2.0
Support IPC UPnP, 4 PoE ports
Multiple network monitoring: Web viewer, CMS, PSS

Order Code	Was	Now
NVR-4POE-1TB		
NVR-4POE-2TB*		

Cortex
16 Channel Mini NVRs

IP CCTV

16 channels, Real time recording
No additional licence costs or fees
Simple operation and management
25FPS recording rate
Gigabit Ethernet
Customised integration supported
1080p recording and live display
Scalable Solution
New CMS Mac compatibility
Feature upgrades with QViS Cloud
Synergy between NVR & cameras
Free remote updates & system enhancements
Simple Linux stability: for longevity of the system
No alarm input · 1 x PTZ control
iPhone/Tablet compatible with
dedicated apps available

Order Code	Was	Now
T16-G620MINI-2TB		
T16-G620MINI-4TB*		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

CCTV MONITOR

CCTVVGAMON19
19" CCTV monitor with VGA & BNC

Black bezel with black stand and black rear cabinet
LCD/LED: 18.5" (47 cm) active matrix, wide LED-LCD
Resolution: 1366 x 768
Input Video Signal: VGA x 1 (Connector: 15 pin D-sub), 'S' Video x 1, Composite Video BNC x 1
VESA Wall Mount Compliant: 100mm x 100mm

Code	Trade	Offer
CCTVVGAMON19		

UNBEATABLE OFFERS ON RG59 and SHOTGUN Cable

RG59SHOTGUN
100m RG59 128 Strand Copper Clad Shotgun

Free Accessories with Every Drum

CAT5305MPC
305m Pure Copper Cat5E

CAT5305M
CCA Networking Cable

70215B
RJ45 Network Plug

A COMPLETE RANGE OF POWER SUPPLY UNITS

Pro CCTV PSU's with 9x or 18x 1.1A outputs

Pro CCTV PSU's with 9x or 18x 1.1A PTC fused and surge protected outputs. For up to 9 or 18 CCTV cameras. Housed in a rugged metal enclosure

4 way 5 AMP power supply. More than capable of powering up to four of any of our cameras! Mains lead included

Code		Trade	Offer
PSU1210RD	2 Amp PSU		
4WAYPSU	4 Way 5 Amp		
PS055	9 Out 5 Amp		
PSU-20A-18B	18 Way 20 Amp		

HBCCTV

NO PORT FORWARDING
NO LONG SET-UP COSTS
JUST PLUG AND PLAY...
USING THE DVR SERIAL NUMBER

HBDVR41TB/81TB
4/8 Channel Networkable Cloud Plug and Play DVR

VISIT OUR WEBSITE, OR DOWNLOAD THE APP FOR YOUR SMARTPHONE

NO AV Drives Installed

Number of Channels: 4 / 8
Display Support: VGA, Composite (BNC)
Mobile Monitor: Support iPhone, Blackberry, Windows, Symbian and Android
Max Resolution: 1024 x 1280

Recording resolution:
Realtime CIF on every channel
4 channel: D1 on all channels
8 channel: D1 on 2 channels, CIF on 6 channels
Dimensions (H x W x D): 46 x 299 x 225
2 x USB & 4 x BNC in, 1 x BNC & 1 x VGA out

Code	Trade	Offer
HBDVR41TB		
HBDVR81TB		

HBBULLET65/70 - 650/700TVL
Weatherproof Day/Night IR Bullet Camera

SONY EFFIO CHIPSET IN HBCCTV CAMERAS

1/3" High Resolution CCD Sensor
2.8 - 12mm Varifocal Lens
IP66 Rated
IR Distance: 30m (65), 50m (70)
Auto Gain Control (AGC)
Auto Electronic Shutter (AES)

Order Code		Trade	Offer
HBBULLET65	650TVL		
HBBULLET70	700TVL		

HBSLV/WHTBULLET70
Weatherproof Day & Night IR Colour Camera

1/3" High Resolution CCD Sensor
2.8 - 12mm Varifocal Lens
IP66 Rated
IR Distance: 30m
Auto Gain Control (AGC)
Auto Electronic Shutter (AES)

Order Code	Trade	Offer
HBSLVBULLET70		
HBWHTBULLET70		

HBDOME65 and HBDOME70
650 / 700 TV-Line Dome Cameras

Dome cameras (IP66)
650 or 700 TVL Models
Alloy armoured housing
20 Metre IR range
2.8 - 12mm Varifocal Lens

Dont forget to order your Stand-off Rings

AVAILABLE IN 3 COLOURS

Order Code		Trade	Offer
HBDOME65B / G / W	Black / Grey / White		
HBDOME70B / G / W	Black / Grey / White		
HBRINGB / G / W	Stand-off ring		

HBVDOME70
700 TVL Internal Vandal-proof Day/Night IR Dome Camera

1/3" High Resolution CCD Sensor
700 TVL
2.8 - 12mm Varifocal Lens
IR Distance: 25m
(with 30 unit infrared LED)
Auto Gain Control (AGC)
Auto Electronic Shutter (AES)

Order Code	Trade	Offer
HBVDOME70		

HBPROBULLETW70
700 TVL Professional Day/Night IR White Bullet Camera

1/3" High Resolution CCD Sensor
700 TVL
9 - 22mm Varifocal Lens
IP66 Rated
IR Distance: 80m
(with 6 unit infrared LED)
Auto Gain Control (AGC)
Auto Electronic Shutter (AES)

Order Code	Trade	Offer
HBPROBULLETW70		

HBPROBULLETB70
700 TVL Professional Day/Night IR Grey Bullet Camera

1/3" High Resolution CCD Sensor
700 TVL
9 - 22mm Varifocal Lens
IP66 Rated
IR Distance: 50m
(with 8 unit infrared LED)
Auto Gain Control (AGC)
Auto Electronic Shutter (AES)

Order Code	Trade	Offer
HBPROBULLETB70		

HBCCTV

TRANSMISSION ACCESSORIES & POWER SUPPLIES

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

CAT5305M Cable

CAT5305M

CCTV Install Essentials
Connectors, Cables, Accessories

Order Code		Offer
LABSECKIT	20M Video/Pwr, 1A PSU	
LABEXKIT	20M BNC Video/Pwr	
P5829	30M BNC Video/Pwr	
P5830	40M BNC Video/Pwr	
P5831	50M BNC Video/Pwr	
BNP59C	RG59 BNC plug/boot	
BNC002	Economy BNC	
BNJJ	BNC coupler	
BNT	BNC Tee piece	
BNJPHP	BNC to male RCA	
BNPPHP	BNC to female RCA	
DC2.1	DC Male connector	
DC2.2	DC Female connector	
BNCKIT	BNC Tool kit	
BNCCRIMPTOOL	BNC Crimp tool	
BNCSTRIPTOOL	RG59 Stripping tool	
CROSSA4	A4 Foamex CCTV sign	
CROSSA3	A3 Foamex CCTV sign	
SPIDEREX	Spider repellent 300ml	

HBL HB-105C
Twin Pack of Passive Combinable Video Baluns

HBL EXCLUSIVE

Innovative combinable design - no more messy cabling at the back of your DVR/cabinet

Built-in transient suppression protection

Connectors: Male BNC and terminal blocks

Full-motion CCTV video at distances up to 330m when used with any passive transceiver

Order Code	Description	Trade	Offer
HB-105C	Twin Pack of Video Baluns		

VISIT OUR WEBSITE FOR DEMO VIDEOS

HBL HB-108C
Twin Pack of Passive Push-Fit Video Baluns

HBL EXCLUSIVE

Completely toolless - no cable stripping needed

Simply push the Cat5 twisted pair into the balun and snap the lid down

Connectors: Male BNC and UTP

Full-motion CCTV video at distances up to 330m when used with any passive transceiver

Order Code	Description	Trade	Offer
HB-108C	Twin Pack of Video Baluns		

4WAYPSU 5 Amp PSU with 4 Camera Adapter
Mains lead included - short circuit proof

A plug in 5 amp 12 volt power supply and 4 camera adapter to provide power.

5 amps provides plenty of power for larger cameras with more powerful infrared illumination and easily copes with less demanding cameras such as the internal domes or smaller day/night products.

Perfect for... **Larger Cameras with more powerful infra-red illumination**

All QVIS Cameras - Domestic Installs

HBL Recommends

Order Code	Trade	Offer
4WAYPSU		

PSU-20A-18B Multi-Port Power Supply
18 Port Solution

No need to replace fuses when there is an over-surge or short circuit. A PTC fuse for each port will give 1.5 amps max current output.

Rear cable entry point if installed into a cavity wall

Very easy to access and use terminals with high quality connectors. Flathead or Phillips screwdriver fitting

Green active status LED for each output

Double earth for lid and base

Easy access terminals when connecting to ring main

Order Code	Trade	Offer
PSU-20A-18B		

HBL HB-401M
4 Channel Passive Video Balun

HBL EXCLUSIVE

Transmit up to 4 cameras over a single Cat5 run

Simply push the RJ45 plug into the balun and connect all 4 cameras

Connectors: Male BNC and RJ45

Full-motion CCTV video at distances up to 330m when used with any passive transceiver

Order Code	Trade	Offer
HB-401M		

HBL HB-GB600
Pair of Coaxial Video Ground Loop Isolators

HBL EXCLUSIVE

Prevents video-signal distortion caused by video ground loops, and prevents power cables laid by others interfering with the CCTV system

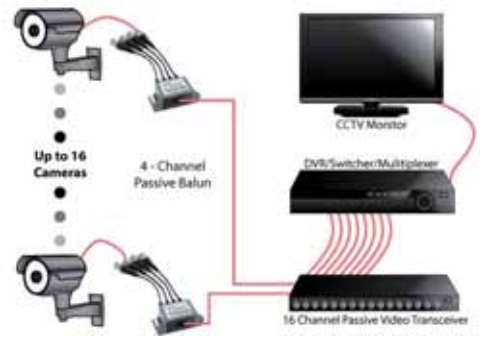
Eliminates picture teraing, cross-talk and rolling

Built-in video filter, perfect to work with DVRs to reduce interference

Order Code	Trade	Offer
HB-GB600		

HBL HB-1600 16 Channel Passive Video Transceiver

HBL EXCLUSIVE



Prevents video-signal distortion caused by video ground loops, and prevents power cables laid by others interfering with the CCTV system

Eliminates picture teraing, cross-talk and rolling

Built-in video filter, perfect to work with DVRs to reduce interference

Order Code	Trade	Offer
HB-1600		

A COMPLETE RANGE OF POWER SUPPLY UNITS

Pro CCTV PSU's with 9x or 18x 1.1A outputs

Pro CCTV PSU's with 9x or 18x 1.1A PTC fused and surge protected outputs. For up to 9 or 18 CCTV cameras. Housed in a rugged metal enclosure

4 way 5 AMP power supply. More than capable of powering up to four of any of our cameras! Mains lead included

Code		Trade	Offer
PSU1210RD	2 Amp PSU		
4WAYPSU	4 Way 5 Amp		
PS055	9 Out 5 Amp		
PSU-20A-18B	18 Way 20 Amp		

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

CCTV MONITOR

CCTVVGAMON19
19" CCTV monitor with VGA & BNC

Black bezel with black stand and black rear cabinet
LCD/LED: 18.5" (47 cm) active matrix, wide LED-LCD
Resolution: 1366 x 768
Input Video Signal: VGA x 1 (Connector: 15 pin D-sub), 'S' Video x 1, Composite Video BNC x 1
VESA Wall Mount Compliant: 100mm x 100mm

Code	Trade	Offer
CCTVVGAMON19		

CAT5305M Cable

CAT5305M

PRE-CONFIGURED ADSL2+ ROUTERS

Netgear N150
Linksys N300

N150
Netgear Pre-Configured Wireless ADSL2+ Modem Router

N300
Linksys Pre-Configured Wi-Fi Router with ADSL2+ Modem

Code	Trade	Offer
N150		
N300		

HIKVISION

ANALOGUE CCTV PRODUCTS

DS-2CE5582P
600TVL Dome Camera

1/3" DIS
600 TVL resolution
3.6mm lens
Day / night auto switch
3-axis adjustment
Compact design

Order Code	Trade	Offer
DS-2CE5582P		

DS-2CE1582P-IR(-G)
600TVL IR Bullet Camera

1/3" DIS
600 TVL resolution
3.6mm lens
Up to 20m IR range, Smart IR
IP66 rating
True day / night
IR-G - GREY MODEL

Order Code	Trade	Offer
DS-2CE1582P-IR		
DS-2CE1582P-IR-G		

DS-2CE5582P-VF (-G)
600TVL Varifocal Internal Domes

600TVL
1/3" DIS, 0.1Lux @ (F1.2,AGC ON)
0.14Lux @ (F1.4,AGC ON)
2.8 - 12mm @ F1.4, 12VDC
VF-G - GREY MODEL

Order Code	Trade	Offer
DS-2CE5582P-VF		
DS-2CE5582P-VF-G		

DS-2CE55A2P-VFIR3 (-G)
700TVL Varifocal IR Dome Cameras

UPGRADED MODEL

1/3" DIS, 700TVL high resolution
2.8 - 12mm @ F1.4, Vari-focal Lens
Up to 40m IR range
True day / night, IP66 rating
VFIR3-G - GREY MODEL

Order Code	Trade	Offer
DS-2CE55A2P-VFIR3		
DS-2CE55A2P-VFIR3-G		

DS-2CE1582P-VFIR3 (-G)
600TVL Varifocal IR Bullet Cameras

1/3" DIS, True Day/Night
600 TVL Horizontal Resolution
2.8 - 12 mm / F1.4 Vari-focal Lens, 40m IR Distance
Wide Operating Temperature Range
VFIR3-G - GREY MODEL

Order Code	Trade	Offer
DS-2CE1582P-VFIR3		
DS-2CE1582P-VFIR3-G		

DS-2AE-714
23x 540TVL High Speed Dome

1/4" Sony CCD, 128x wide dynamic range
540TVL high resolution
True day / night, 80m IR range
3D digital noise reduction, IP66 rating
DS-1656ZJ - Ceiling Mount Bracket

Order Code	Trade	Offer
DS-2AE-714		
DS-1656ZJ		

HikVision DS-72 Series
4 / 8 / 16 Channel WD1 Standalone DVR's

iVMS-4500 App

H.264 video compression
BNC, VGA & HDMI video output
WD1 Resolution: 960 x 576
Recording resolution: WD1 / 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N)
Dual-stream
4/8/16-ch synchronous playback
VGA & HDMI output @ 1920 x 1080p resolution

UPGRADED MODEL

Order Code	Trade	Offer
DS-7204HWI-SH-1TB	4 Ch 1TB	
DS-7204HWI-SH-2TB	4 Ch 2TB	
DS-7208HWI-SH-1TB	8 Ch 1TB	
DS-7208HWI-SH-2TB	8 Ch 2TB	
DS-7208HWI-SH-4TB	8 Ch 4TB	
DS-7216HWI-SH-1TB	16 Ch 1TB	
DS-7216HWI-SH-2TB	16 Ch 2TB	
*DS-7216HWI-SH-4TB	16 Ch 4TB	

HikVision DS-73 Series
4 / 8 / 16 Channel Standalone DVR's with DVD Writer

iVMS-4500 App

H.264 video compression
4CIF resolution recording in real time
BNC, VGA & HDMI video output
Recording resolution: 4CIF/2CIF/CIF/QCIF @ 25 fps (P) / 30 fps (N)
HDMI/VGA output at 1920 x 1080P resolution
Dual-stream
Gigabit network interface
4/8/16-ch synchronous playback
HDD quota and group management
Fully networkable using iVMS-4200 Client / iVMS-4500 App (free)

Order Code	Trade	Offer
DS-7304HFI-SH-1TB	4 Ch 1TB	
DS-7304HFI-SH-2TB	4 Ch 2TB	
DS-7308HFI-SH-1TB	8 Ch 1TB	
DS-7308HFI-SH-2TB	8 Ch 2TB	
DS-7308HFI-SH-4TB	8 Ch 4TB	
DS-7316HFI-SH-1TB	16 Ch 1TB	
DS-7316HFI-SH-2TB	16 Ch 2TB	
DS-7316HFI-SH-4TB	16 Ch 4TB	

HikVision DS-81 Series
8 / 16 / 32 Channel Professional DVR's with DVD Writer

H.264 video compression
4CIF resolution real time recording
BNC, VGA & HDMI video output
Recording resolution: 4CIF/2CIF/CIF/QCIF @ 25 fps (P) / 30 fps (N)
HDMI and VGA output at 1920 x 1080P resolution
Dual stream
8/16/32-ch Synchronous Playback
Smart searching for the motion event when playing back
HDD quota management
SADP (IP Finder), FTP, NTP, DHCP protocols
Dual Gigabit network interfaces (DS-8132HFSI-SH)
Fully networkable using iVMS-4200 Client / iVMS-4500 App (free)

Order Code	Trade	Offer
DS-8108HFI-ST-3TB	8 Ch 3TB	
DS-8108HFI-ST-6TB	8 Ch 6TB	
DS-8108HFI-ST-9TB	8 Ch 9TB	
DS-8108HFI-ST-12TB	8 Ch 12TB	
DS-8116HFI-ST-3TB	16 Ch 3TB	
DS-8116HFI-ST-6TB	16 Ch 6TB	
DS-8116HFI-ST-9TB	16 Ch 9TB	
DS-8116HFI-ST-12TB	16 Ch 12TB	
DS-8132HFSI-SH-3TB	32 Ch 3TB	
DS-8132HFSI-SH-6TB	32 Ch 6TB	
DS-8132HFSI-SH-9TB	32 Ch 9TB	
DS-8132HFSI-SH-12TB	32 Ch 12TB	

Western Digital AV drives installed in all Hikvision recorders

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

What is PoE?

Power over Ethernet, or PoE, is a technology which enables you to connect network devices through Ethernet cable.

Therefore it is not necessary to use two individual cables (1x data, 1x power).

For equipment that does not already have a power or data connection, PoE can be attractive when the power demand is modest.

For example, PoE is useful for wireless access points, PTZ cameras and remote Ethernet switches.

PoE can provide long cable runs e.g. 100m (330ft).

See IP CCTV Range

Netgear 10/100 Switches with PoE

NETFS108P
NETFS116P
NETFS726TP

NETFS108P
Netgear 8 Port 10/100 Desktop Switch with 4 Ports of PoE

NETFS116P
Netgear 16 Port 10/100 Desktop Switch with 8 Ports of PoE

NETFS726TP
Netgear 24 Port 10/100 Smart Switch with 2 Gigabit ports and 12 Ports of PoE

Code		Trade	Offer
NETFS108P	8 Port / 4 PoE		
NETFS116P	16 Port / 8 PoE		
NETFS726TP	24 Port / 12 PoE		

HIKVISION

IP CCTV PRODUCTS

DS-2CD2012-I
1.3 / 3MP IR Bullet Network Camera

IP CCTV

1.3 / 3 (1280 x 960 / 2048 x 1536) megapixel high resolution
4mm lens, Max. image res: 1280 x 960 @ 25fps
HD video output, Low illumination
3D DNR & DWDR & BLC
IP66 rating
IR range: up to 30m, True day / night

Order Code	Trade	Offer
DS-2CD2012-I		
DS-2CD2032-I		

DS-2CD2112-I
1.3 / 3MP Outdoor Network Mini Dome Camera

IP CCTV

1.3 / 3 (1280 x 960 / 2048 x 1536) megapixel high resolution
4mm lens, Max. image resn: 1280 x 960 @ 25fps
HD 720p real-time video
Up to 30m IR visibility
True day/night, 3D DNR & DWDR & BLC
IP66 rating, Vandal-proof housing

Order Code	Trade	Offer
DS-2CD2112-I		
DS-2CD2132-I		

DS-2CD7153-E-2.8MM/4MM
2.8mm / 4mm Network Mini Domes

IP CCTV

Up to 2 megapixel resolution, 2.8mm / 4mm lens
Max. image resolution: 1600 x 1200 @ 12.5fps
1/3" progressive scan CMOS
H.264 / MPEG4 / MJPEG video compression
HD 720P real time video
Day / night auto switch, PoE, 3-axis adjustment

Order Code	Trade	Offer
DS-2CD7153-E-2.8MM		
DS-2CD7153-E-4MM		

DS-2CD2712F-I &
DS-2CD2732F-I
1.3 / 3MP Outdoor Network IR Dome Camera

IP CCTV

1.3 / 3 (1280 x 960 / 2048 x 1536) megapixel high resolution
2.8-12mm vari-focal lens
Up to 20m IR visibility
True day/night
3D DNR & DWDR & BLC
IP66 rating
Vandal-proof housing

Order Code	Trade	Offer
DS-2CD2712F-I		
DS-2CD2732F-I		

DS-2CD753F-E
2MP Vandalproof Network Domes

IP CCTV

1/3" progressive scan CMOS. Up to 2 MP resolution
2.7 - 9 mm @ F1.2, H.264 / MPEG4 / MJPEG video
Max. image resolution: 1600 x 1200 @ 12.5fps
Full HD 720P real time video, Two-way audio
Vandal proof, e-PTZ, PoE

Order Code	Trade	Offer
DS-2CD753F-E		

DS-2CD2612F-I
DS-2CD2632F-I
1.3 / 3MP Varifocal IR Bullet Camera

IP CCTV

1.3 / 3 (1280 x 960 / 2048 x 1536) megapixel high resolution
2.8-12mm vari-focal lens
3D DNR & DWDR & BLC
IP66 rating
IR range: up to 30m
True day / night

Order Code	Trade	Offer
D2-2CD2612F-I		
D2-2CD2632F-I		

HikVision DS-76 Series
4 / 8 Channel Standalone NVR with 4 / 8 Built-In PoE

IP CCTV

Third-party network cameras supported
Up to 5 Megapixels resolution recording
HDMI and VGA output at up to 1920◊1080P resolution
Recording/playback: 5MP / 3MP / 1080P / UXGA / 720P / 4CIF / VGA / DCIF / 2CIF / CIF / QCIF
4/8 independent PoE network interfaces
Fully networkable using iVMS-4200 Client / iVMS4500 App (free)

4 Channel

Order Code		Trade	Offer
DS-7604NI-SE/P-1TB	4 Ch 1TB		
DS-7604NI-SE/P-2TB	4 Ch 2TB		
DS-7604NI-SE/P-3TB	4 Ch 3TB		

8 Channel

Order Code		Trade	Offer
DS-7608NI-SE/P-3TB	8 Ch 3TB		
*DS-7608NI-SE/P-6TB	8 Ch 6TB		

HikVision DS-77 Series
8 / 16 Channel Standalone NVR with 8x PoE Ports Built-In and DVD Writer

IP CCTV

8/16-ch IP cameras input
Third-party network cameras supported
Up to 5MP resolution recording
HDMI and VGA output at up to 1920 x 1080P resolution
Recording/playback resolution: 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Plug & Play with 8 independent PoE network interfaces
Fully networkable using iVMS-4200 Client / iVMS-4500 App (free)

8 Channel

Order Code		Trade	Offer
DS-7708NI-SP-3TB	8 Ch 3TB		

16 Channel

Order Code		Trade	Offer
DS-7716NI-SP-3TB	16 Ch 3TB		
DS-7716NI-SP-6TB	16 Ch 6TB		

HikVision DS-86 Series
8/16/32 Channel Professional NVR with Gigabit Ethernet and DVD Writer

IP CCTV

Third-party network cameras supported
Up to 5 Megapixels resolution recording
HDMI and VGA output at up to 1920 x 1080P resolution
Recording/playback resolution: 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
20 / 40 / 80MB (8 / 16 / 32 Ch) inbound bandwidth
1 x Gigabit PCI Network Card
HDD quota and group management
Fully networkable using iVMS-4200 Client / iVMS-4500 App (free)

Order Code		Trade	Offer
DS-8608NI-ST-3TB	8 Ch 3TB		
DS-8608NI-ST-6TB	8 Ch 6TB		
DS-8608NI-ST-9TB	8 Ch 9TB		
DS-8608NI-ST-12TB	8 Ch 12TB		
DS-8616NI-ST-3TB	16 Ch 3TB		
DS-8616NI-ST-6TB	16 Ch 6TB		
DS-8616NI-ST-9TB	16 Ch 9TB		
DS-8616NI-ST-12TB	16 Ch 12TB		
DS-8632NI-ST-3TB	32 Ch 3TB		
DS-8632NI-ST-6TB	32 Ch 6TB		
DS-8632NI-ST-9TB	32 Ch 9TB		
DS-8632NI-ST-12TB	32 Ch 12TB		

Western Digital AV drives installed in all Hikvision recorders

Full specification sheets, on all products, are available at **www.hblitherland.co.uk**

Don't forget to order...

RG59SHOTGUN
100m RG59
128 Strand Copper Clad Shotgun

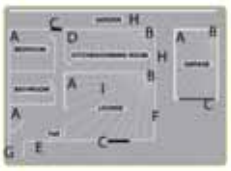
Free Accessories with Every Drum

CAT5305MPC
305m Pure Copper Cat5E

CAT5305M
CCA Networking Cable

70215B
RJ45 Network Plug

CCTV Installation Accessories



HOW TO EXTEND YOUR ALARM SYSTEM:
A Smoke/ Heat Detector
B PIr Motion Detector
C Door and Window Magnetic Sensor
D Gas/LPG/CO Detector
E Wireless Outdoor Siren & Flash
F Pet Friendly Detector
G Dual Beam Detector 100mtr
H Triplicate Beam Detector 250mtr

SMOKE-DEC1 Smoke/Heat Detector

PIR-DET1 PIR Motion Detector

DOOR-CONTACT1
Door and Window Contact

GAS-DET1 Gas/LPG/CO Detector

SIREN-1 Wired/Wireless Outdoor Siren

PET-DET1 Pet Friendly Detector

BEAM2-100
Dual Beams Outdoor Infrared Baluster

BEAM3-250
Triple Beams Outdoor Infrared Baluster

BEAM4-250
Four Beams Outdoor Infrared Baluster

BEAM5-40 Indoor Infrared Baluster

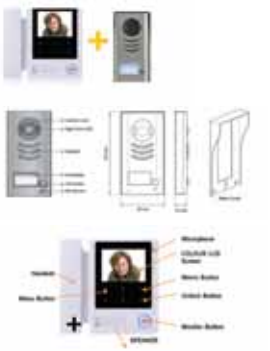
DVR See our range of DVRs
on pages 52 and 53

QVIS

DOOR ENTRY & ALARM SYSTEMS

Qvis DOORKIT1
Easy Two Wire Intercom System

Optional hand set / Hands free answering device
Outdoor station
Touch sensor buttons
Built-in SMPS power
Easy colour icon interface
Built-in power supply



Code	Description	Trade	Offer
DOORKIT1	Two Wire Intercom System		

Qvis DOORKIT2
Easy Two Wire Touch Screen Kit

Easy two wire touch screen kit
7" TFT touch screen monitor
Outdoor station
Power mixer and splitter
24VAC 1A power supply

Code	Description	Trade	Offer
DOORKIT2	Two Wire Touch Screen Kit		

New from QVIS... 4 Wired and 99 Wireless Defence Zones System

QViS Alarms have introduced a new range of cost-effective home security alarms offering a complete alarm solution for your home and external buildings such as garages and sheds. The kits can be easily upgraded to suit your individual requirements with the range of additional wireless accessories.

ALARMKIT4 includes the following:

1 x LCD screen control panel
2 x keyfob remote controllers
1 x PIR motion detecter
1 x siren
1 x door / window contact
1 x power supply

Features:
Elegant and advanced touch keypad for easy operation
Wireless LCD screen with clock display
4 wired and 10 wireless defence zones; each wireless zone supports maximum 10 sensors
Built-in high-volume speaker, and artificial intelligent digital voice announcer
Fully expandable

Order Code		Trade	Offer
ALARMKIT4	4 Wired, 99 Wireless System		

CCTVVGAMON19
19" CCTV monitor with VGA and BNC

Black bezel with black stand and black rear cabinet
LCD/LED: 18.5" (47 cm) active matrix, wide LED-LCD Resolution: 1366 x 768
Input Video Signal: VGA x 1 (Connector: 15 pin D-sub), 'S' Video x 1, Composite Video BNC x 1
VESA Wall Mount Compliant: 100mm x 100mm

Code	Description	Trade	Offer
CCTVLEDMON19	18.5" LED, VGA & DVI Monitor		

SAMSUNG TECHWIN

NEW!

SRD-470D-500GB/1TB
4CH 1TB 4CIF H.264 Real-time Digital Video Recorder

4CH 4CIF real-time DVR
4CIF resolution real-time recording capability
Resolution: PAL: 704 x 576 | Frame Rate: PAL: 100FPS
Record Rate: PAL: Up to 100FPS @ 704 x 576 / Up to 100FPS @ 704 x 288 / Up to 100FPS @ 352 x 288
SATA HDD support (Internal Max. HDD x 1)
DVD-RW & Support for smart phone

Order Code	Trade	Offer
SRD-470D-500GB		
SRD-470D-1TB		

SMT1934
19" LED monitor

Maximum resolution: 1280 x 1024
1 x HDMI, 1 x Analogue RGB 15-pin D-sub, BNC
Brightness: 250cd/m²
Contrast Ratio: 1,000:1
Aspect Ratio: 4:3
30,000 hours panel life

Order Code	Trade	Offer
SMT-1934		

SRD-1652-1TB
Samsung 16CH CIF Real-time H.264 DVR with 1TB HDD

16CH real-time DVR
Embedded Linux H.264 Compression
Up to 480 fps (NTSC) / 400 fps (PAL) @ CIF
Up to 4CH audio inputs and 1CH audio output
Combined BNC and VGA video output for main display
Up to 4 Internal HDDs | Free DDNS
Support for smart phones(Android, i-Phone) | Built in DVD-RW
Splits and exports small parts of a recorded video - Brightness and Contrast control via SmartViewer

Order Code	Trade	Offer
SRD-1652-1TB		

SCD-2080R
1/3" High Resolution IR Dome Camera

High resolution of 600TV Lines (Colour), 700TV Lines (B/W)
Min. Illumination 0 Lux (IR LED on), IR distance 20m
3.6x V/F lens (2.8 - 10mm)
True Day / Night (ICR), MD, SSNR® (2D+2D)
Coaxial control (Pelco-C), 12V DC

Order Code	Trade	Offer
SCD-2080RH		

SCD-3080P
1/3" High Resolution Varifocal Dome Camera

High resolution of 600TV Lines, 700TV Lines (B/W)
Min. Illumination 0.3 Lux @ F1.2 (Colour), 0.01Lux (B/W)
3.0x V/F lens (2.8 - 11mm)
WDR, VPS, Intelligent Video
True Day / Night (ICR) MD, SSNR®
Coax: Pelco-C (Coaxitron) | Dual power, 24V AC & 12V DC

Order Code	Trade	Offer
SCD-3080P		

SCO-2080R
High Resolution Weatherproof IR Camera

High resolution of 600TV Lines (Colour), 700TV Lines (B/W)
Min. Illumination 0 Lux (IR LED On), IR distance 50m
Built-in V/F lens (2.8 - 10mm)
True Day & Night (ICR), MD, SSNR®
Built-in fan & heater
IP66, Coax control support

Order Code	Trade	Offer
SCO-2080R		

SCO-2370
1/4" 37x Zoom Weatherproof True Day/Night Bullet Camera

600/700 TV lines resolution
0.2/0.02 lux sensitivity
37x optical zoom (3.5 - 129.6mm)
Built-in IR cut filter
Bracket enables wall, desk or ceiling mount
Coaxial control compatible (Pelco-C)
Weatherproof to IP68

Order Code	Trade	Offer
SCO-2370		

Samsung Vandal-Resistant Cameras

SCV-2081R
1/3" High Resolution IR Vandal-Resistant Dome Camera

High resolution of 600TV Lines, 700TV Lines (B/W)
Min. Illumination 0 Lux (IR LED on), **IR distance 20m**
3.6x V/F lens (2.8 - 10mm), True Day / Night (ICR), MD, SSNR®
IP66, Coax: Pelco-C (Coaxitron)
Dual power, 24V AC & 12V DC

Order Code	Trade	Offer
SCV-2081R		

SCV-2080R
1/3" High Resolution IR Vandal-Resistant Dome Camera

High resolution of 600TV lines, 700TV lines (B/W)
Min. Illumination 0Lux (IR LED on), **IR distance 30m**
3.6x V/F lens (2.8 - 10mm), True Day / Night (ICR) MD, SSNR® (2D+2D)
IP66, Coaxial control (Pelco-C), RS-485
Dual power, 24V AC & 12V DC

Order Code	Trade	Offer
SCV-2080R		

SCV-3080P
650TVL Premium Resolution Vandal-Resistant Camera

High resolution of 600TV lines (Colour), 700TV lines (B/W)
Min. Illumination 0.3 Lux @ F1.2 (Colour), 0.01Lux (B/W)
3.0x V/F lens (2.8 - 11mm), WDR, VPS, True Day / Night (ICR), Intelligent video
IP66, Coaxial control (Pelco-C)

Order Code	Trade	Offer
SCV-3080P		

SCB-2002P
650TVL Premium Resolution Camera
TG3Z2910FCS Lens

High Resolution of 650TV Lines (Colour), 700TV Lines (B/W)
Min. Illumination 0.1 Lux @ F1.2 (Colour), 0.03 Lux (B/W)
True Day & Night (ICR), MD
SSNR® (2D+2D), Coaxial Control, RS-485, Dual Power & 230VAC

Order Code	Trade	Offer
SCB-2002P		
TG3Z2910FCS		

HBL Contacts

New Team Member

HBL is always looking to expand its knowledge and experience to help new and existing customers.

With this in mind as of March 2014 HBL are excited to introduce to their team - Cloe Snell
Cloe has 10 years product and sales knowledge within the ever increasing CCTV industry.

She has a great knowledge of:

Analogue, digital and IP systems
Access control
Intruder alarms
Network and Systems Planning
Training

With this in mind Cloe will add an extra dimension to the HBL sales, product and technical team to add more value to HBL customers.
Cloe can be contacted on
01253 607849
07776 761255
cloe.snell@hblitherland.co.uk

Audio Visual

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PA Equipment

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Aerial & Satellite

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CCTV & Security

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Visit our Trade Counter and Demo Room

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